



# ***STIC Search Report***

**EIC 3600**

**STIC Database Tracking Number: 196626**

**TO: Ronald Laneau  
Location: KNOX 5D20  
Art Unit : 3627  
Monday, July 31, 2006**

**Case Serial Number: 10/044169**

**From: Sylvia Keys  
Location: EIC 3600  
Knox 4B68  
Phone: 571.272.3534**

**[sylvia.keys@uspto.gov](mailto:sylvia.keys@uspto.gov)**

## **Search Notes**

Dear Examiner Laneau,

Please read through the results.

If you have any questions, please do not hesitate to contact me.

Sylvia



# STIC Search Results Feedback Form

**EIC 3600**

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader  
571.272.3496 Knox suite 4B68

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 Knox suite 4B68



File 16:Gale Group PROMT(R) 1990-2006/Jul 28  
     (c) 2006 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2006/Jul 28  
     (c)2006 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2006/Jul 28  
     (c) 2006 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jul 28  
     (c) 2006 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Jul 28  
     (c) 2006 The Gale Group  
 File 9:Business & Industry(R) Jul/1994-2006/Jul 28  
     (c) 2006 The Gale Group  
 File 15:ABI/Inform(R) 1971-2006/Jul 31  
     (c) 2006 ProQuest Info&Learning  
 File 20:Dialog Global Reporter 1997-2006/Jul 31  
     (c) 2006 Dialog  
 File 95:TEME-Technology & Management 1989-2006/Jul W4  
     (c) 2006 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2006/Aug 01  
     (c) 2006 Financial Times Ltd  
 File 610:Business Wire 1999-2006/Jul 31  
     (c) 2006 Business Wire.  
 File 613:PR Newswire 1999-2006/Jul 31  
     (c) 2006 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2006/Jul 31  
     (c) 2006 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2006/Jul 29  
     (c) 2006 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	155593	(RETURN OR RETURNED) (5N) (PRODUCT OR PRODUCTS OR MERCHANDISE OR ITEM OR ITEMS OR GOOD? ?)
S2	184696	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) PROCESSING
S3	136093	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (TEST OR TESTS OR TESTING)
S4	198993	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (ANALYS? OR ANALYZ? OR ASSESS? OR MONITOR?)
S5	3110	INVENTEC?
S6	2045	AU=(CHIU, H? OR CHIU H? OR SONG, M? OR SONG M?) OR HUNG()LIANG(2N)CHIU OR MIN()TZU(2N)SONG OR HUNG(2N)LIANG OR MIN(2N)SONG
S7	120	S1(3N) (S2:S4)
S8	79	S7 NOT PY>2001
S9	43	RD (unique items)
S10	0	S5(S)S1
S11	22	S5(S)RETURN?
S12	12	S11 NOT PY>2001
S13	11	RD (unique items)
S14	0	S6(S)S1

0 : Reviewed

9/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

09167321 Supplier Number: 79960729 (USE FORMAT 7 FOR FULLTEXT)  
**Cards conquer cheques in Singapore. (RESEARCH).**  
O'Brien, Anthony  
Cards International, p12(2)  
August 23, 2001  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 955

... participating banks to transmit giro items over a secure communication network. It will also allow **automated processing** of **returned items** through the ACH.

The Monetary Authority of Singapore maintains an oversight role although it is...

9/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

09100596 Supplier Number: 78178202 (USE FORMAT 7 FOR FULLTEXT)  
**Second life. (Ingram Micro Inc.'s facility) (Statistical Data Included)**  
Maloney, David  
Modern Materials Handling, v56, n9, p41  
August, 2001  
Language: English Record Type: Fulltext  
Article Type: Statistical Data Included  
Document Type: Magazine/Journal; Trade  
Word Count: 1956

... the center is designed to accommodate a number of value added services, including re-boxing, **testing**, and repair of damaged **electronics**. **Items** that have been **returned** to stock may also ship directly from the building if needed for immediate orders.

"Our...

9/3,K/3 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08953067 Supplier Number: 77747052 (USE FORMAT 7 FOR FULLTEXT)  
**US DATAWORKS AND CHECKFREE RENEW BUSINESS ALLIANCE.**  
Item Processing Report, v12, n17, pNA  
August 30, 2001  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 241

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...alternative with a high-capacity level. The benefits of the combined systems include seamless compatibility, **automated in-house processing**, **return item** decisioning based on corporate parameters and item history, a flexible resubmit calendar with timing determined...

9/3,K/4 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08935430 Supplier Number: 77553148 (USE FORMAT 7 FOR FULLTEXT)  
**US Dataworks and CheckFree Renew Expanded Master Licensing Agreement.**  
Business Wire, p0145  
August 27, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 932

... through the Federal Reserve Banking system."  
The benefits of the combined systems include seamless compatibility;  
**automated** in-house **processing** ; industry-leading **return item**  
decisioning based on corporate parameters and item history; a flexible  
resubmit calendar with timing determined...

9/3,K/5 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08917908 Supplier Number: 77335476 (USE FORMAT 7 FOR FULLTEXT)  
**Upgrade manages products in real time.(Product Announcement)**  
Ferguson, Renee Boucher  
eWeek, p30  
August 6, 2001  
Language: English Record Type: Fulltext  
Article Type: Product Announcement  
Document Type: Magazine/Journal; Trade  
Word Count: 484

... for WebSphere and BEA Systems Inc. WebLogic platforms  
Calculation of taxes based on geographic location  
**Automated processing of returned goods**

9/3,K/6 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

06632342 Supplier Number: 55740105 (USE FORMAT 7 FOR FULLTEXT)  
**US Dataworks, Thomson Financial Publishing and CheckFree Announce Alliance  
to Enhance Returnworks, a Re-Presented Check Entry -RCK- Processing  
Module.**  
Business Wire, p1352  
Sept 14, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 715

... announced a strategic business alliance to enhance the newly  
released Returnworks(tm), a system for **processing return check items**  
within the **automated** clearing house (ACH) payment network. Developed by  
US Dataworks, this module utilizes Thomson's EPICWare...

9/3,K/7 (Item 7 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

06322373 Supplier Number: 54576044 (USE FORMAT 7 FOR FULLTEXT)  
**First Tennessee to Expand Transaction Processing Business with Acquisition  
from National Processing Inc.**

Business Wire, p1228  
May 7, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 614

... First Express Lockbox and the First Express check clearing  
business, an innovator in image and **electronic processing** of checks and  
**return items** . First Express has for more than 15 years been the most  
widely accepted check clearing...

9/3,K/8 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

06092166 Supplier Number: 53632465 (USE FORMAT 7 FOR FULLTEXT)  
**Retailers Could Save a Third of the Costs of Paper Checks.**  
Chain Store Age Executive with Shopping Center Age, v75, n1, p8A(1)  
Jan, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1189

... since it is difficult to quantify these savings at this time. With  
the speed of **electronic processing** , notification of a **returned item**  
will take place in 3 to 6 days for converted check transactions as opposed  
to...

9/3,K/9 (Item 9 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

05232577 Supplier Number: 47979352 (USE FORMAT 7 FOR FULLTEXT)  
**Banks seek way to vie with Fed**  
Lipowicz, Alice  
Crain's New York Business, p1  
Sept 15, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; Trade  
Word Count: 839

... time it is providing banking services - including check processing  
and clearing, wire transfers, handling of **returned items** , and,  
increasingly, **electronic** check imaging and **processing** .

'The crux is that the Federal Re serve is both a regulator and  
competitor to...

9/3,K/10 (Item 10 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

04842082 Supplier Number: 47123709 (USE FORMAT 7 FOR FULLTEXT)

**VENDORS MOVE TO MEET NICHE APPLICATION DEMAND**

Item Processing Report, v8, n3, pN/A

Feb 13, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1296

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Interest in niche applications for reject re-entry, **return items processing** and **automated** teller machine (ATM) deposit balancing is soaring as financial institutions look for more ways to...

**9/3,K/11 (Item 11 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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04779778 Supplier Number: 47035682 (USE FORMAT 7 FOR FULLTEXT)

**NPC Announces NPC CheckThru; Eliminates The Paper Chase From Check Processing**

PR Newswire, p113CLM020

Jan 13, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 528

... merchant accounts as settled

- \* Reduced exception handling and loss exposure

- \* Rapid and easy redeposit and **return item processing** through **electronic** clearance

- \* Simplified reconciliation and reporting through electronic capture

- \* Improved cash management due to NPC's...

**9/3,K/12 (Item 12 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2006 The Gale Group. All rts. reserv.

04548512 Supplier Number: 46684941 (USE FORMAT 7 FOR FULLTEXT)

**Arkansas Systems Installs Fourth and Fifth Clearing Centers in China**

PR Newswire, p0904ATW001

Sept 4, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 459

... easy research and location of items, provide automated control and posting of incoming and outgoing **items**, provide **automated returned item processing**, allow flexible sorting and produce control and analysis reports of transactions. The system also provides...

**9/3,K/13 (Item 13 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2006 The Gale Group. All rts. reserv.

01121536 Supplier Number: 41264733

**Commerce Clearing House - Company Report**

Investext, pl-30  
April 3, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

...LUFKIN & JENRETTE, INC. report by Decker, S.L.  
In 1989, the company acquired TLS Co. - **computerized tax return processing products** - and bought software and customer lists from Interactive Financial Services. Suggests that one reason the...

9/3,K/14 (Item 14 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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01097199 Supplier Number: 41228505 (USE FORMAT 7 FOR FULLTEXT)  
**IBM adds image-based check processing**  
MIS Week, pl2  
March 19, 1990  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 558

... image-based check processing systems.  
Other applications that the new HPTS will later explore include **returned items** and exception **processing** archiving, the electronic transmission of images instead of checks between banks, and merchant draft and remittance processing.  
IBM...

9/3,K/15 (Item 15 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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01090020 Supplier Number: 41218219 (USE FORMAT 7 FOR FULLTEXT)  
**IBM ANNOUNCES FIUNANCIAL DOCUMENT PROCESSING SYSTEM FEATURING IMAGE PROCESSING AND NUMERIC RECOGNITION**  
News Release, pl  
March 12, 1990  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 582

... and hardware.

The system is designed to allow potential future applications in the areas of **returned items** and exception **processing**, archive, the **electronic** kill (transmitting images, instead of checks, between banks) and merchant draft and remittance processing. IBM...

9/3,K/16 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

10996067 SUPPLIER NUMBER: 54517342 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Improving collections with direct debit programs.**  
Parkinson, Kenneth L.



Business Credit, 101, 3, 26(3)

March, 1999

ISSN: 0897-0181

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2440

LINE COUNT: 00201

... bases makes it much easier to expand programs in a cost-effective way.

\* Use of **electronic** services to enhance **returned item processing** for direct debit programs. Banks at the forefront of changing technology are implementing programs, such...

**9/3,K/17 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

10633878 SUPPLIER NUMBER: 20762936 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**CheckFree and UniComp Alliance to Offer New ACH Return Item Processing**

**Module**

PR Newswire, p601ATM006

June 1, 1998

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 688

LINE COUNT: 00066

TEXT:

...Nasdaq: UCMP). As a result of this alliance, CheckFree and UniComp are introducing a new **automated** clearing house (ACH) **return item processing** module, Returnworks. This module has been developed by UniComp and will be offered by CheckFree...

**9/3,K/18 (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

10519761 SUPPLIER NUMBER: 21201596 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Information management key to ISO 9001.**

Thondavadi, Nandu N.; Raza, Amir

Molding Systems, v56, n7, p20(6)

Sept, 1998

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2385

LINE COUNT: 00200

... root causes of defects and takes corrective action to prevent similar defects in the future.

**Returned goods processing** can be **automated** with an integrated computer system. This satisfies ISO 9001 requirements and also closes the loop...

**9/3,K/19 (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

08264053 SUPPLIER NUMBER: 17586036 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**On-line services launched for corporate treasurers.**

Financial Services Report, v12, n21, p8(1)

Oct 11, 1995

ISSN: 0894-7260

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 306

LINE COUNT: 00030

... of treasury reports for the past business day using the system, including account statement reports, **return items** reports, account **analysis** statements, cash position reports, **Automated** Clearing House (ACH) reports, and controlled disbursement reports.

The system also can be used to...

**9/3,K/20 (Item 5 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

07857183 SUPPLIER NUMBER: 16839181 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**IRKUTSK CLEARING CENTER FOR THE CENTRAL BANK OF RUSSIA IS THE FIRST TO GO LIVE**

PR Newswire, p516AT009

May 16, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 525 LINE COUNT: 00050

... of items. In addition, Flexi-Check provides automated control and posting of incoming and outgoing **items** and **automated return item processing**. The system allows flexible sorting, control and provides analysis reports of transactions, and prepares items...

**9/3,K/21 (Item 6 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

07519196 SUPPLIER NUMBER: 15761112 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**2 processors get return item tool. (Brief Article)**

American Banker, v159, n166, p15A(1)

August 29, 1994

DOCUMENT TYPE: Brief Article ISSN: 0002-7561 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 181 LINE COUNT: 00016

... standardized processing system.

Transys provides a range of payment solutions to banks, including check and **return item processing**, **electronic** check presentment, and related deposit and payment services.

**9/3,K/22 (Item 7 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

07473830 SUPPLIER NUMBER: 16135066 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**1st Fidelity-BT partnership picks a return item system. (First Fidelity Bancorp., Bankers Trust Co.) (Brief Article)**

Sullivan, Deidre

American Banker, v159, n135, p17(1)

July 15, 1994

DOCUMENT TYPE: Brief Article ISSN: 0002-7561 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 231 LINE COUNT: 00019

Based in Totowa, N.J., Global Processing provides check and **return - item processing**, **electronic** check presentment, and related deposit and

payment services.

The EPG system, called RIPS, is part...

**9/3,K/23 (Item 8 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

04872274 SUPPLIER NUMBER: 09635457 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Benchmarking: measuring yourself against the best. (includes related article on Xerox Corp.)**

Geber, Beverly

Training: the Magazine of Human Resources Development, v27, n11, p36(6)  
Nov, 1990

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3506 LINE COUNT: 00273

... quality for L.L. Bean, says that when the company was trying to develop a **computerized processing** system for **returned merchandise**, it visited a high-fashion mail-order company. The company had designed its computer system...

**9/3,K/24 (Item 9 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

03586333 SUPPLIER NUMBER: 06670404

**Check rules increase float at fed banks; return - item errors stall automated processing .**

Kantrow, Yvette D.

American Banker, v153, n188, p1(2)

Sept 27, 1988

ISSN: 0002-7561 LANGUAGE: ENGLISH RECORD TYPE: CITATION

**Check rules increase float at fed banks; return - item errors stall automated processing .**

**9/3,K/25 (Item 1 from file: 160)**

DIALOG(R)File 160:Gale Group PROMT(R)  
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01160561

**Operations, Technology: Fed to Begin Charging Extra for Paper-Based ACH Return Items.**

AMERICAN BANKER February 6, 1985 p. 8,11

... addition, the efficiency of the ACH mechanism could be improved if charging a fee for **return - item processing** encourages depository institutions to deposit **automated return items** . The slow and unreliable process of returning dishonored or undeliverable transactions to the originating bank...

**9/3,K/26 (Item 1 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

01363110 SUPPLIER NUMBER: 08276706 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**IBM adds image-based check processing.**

Depompa, Barbara

MIS Week, v11, n12, p12(1)

March 19, 1990

ISSN: 0199-8838

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 584

LINE COUNT: 00046

... image-based check processing systems.

Other applications that the new HPTS will later explore include **returned items** and exception **processing**, archiving, the **electronic** transmission of images instead of checks between banks, and merchant draft and remittance processing.

IBM...

**9/3,K/27 (Item 2 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

01290831 SUPPLIER NUMBER: 07070594 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Top 10 bank software growth companies. (company profile)**

Landis, Ken

Computers in Banking, v6, n2, p26(12)

Feb, 1989

DOCUMENT TYPE: company profile

ISSN: 0742-6496

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 10767 LINE COUNT: 00873

... is offering applications for eight market segments: Check processing, settlement, bulk filing, float management, and **return item processing**; **electronic** funds transfer, including a telephone/PC home banking product and ACH processing using a PC...

**9/3,K/28 (Item 3 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

01228931 SUPPLIER NUMBER: 06766937

**Microcomputer versus paper-and-pencil testing of student errors in ratio and proportion.**

Ronau, Robert N.; Battista, Michael T.

Journal of Computers in Mathematics and Science Teaching, v7, n3, p33(6)

Spr, 1988

ISSN: 0731-9258

LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: the ease with which students can change answers, rearrange components of a mathematical expression, and **return** to skipped **items**. **Computerized tests** should permit the same activities with the same ease. More research is needed in this...

**9/3,K/29 (Item 1 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2006 The Gale Group. All rts. reserv.

01046803 Supplier Number: 40110063 (USE FORMAT 7 FOR FULLTEXT)

**Backroom Systems Group (BSG) recently announced the availability of its Computer-Aided Microfilm Retrieval system.**

PR Newswire, pN/A

July 14, 1987  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 307

...  
addition to the Computer-Aided Microfilm Retrieval and RACS systems,  
BSG markets and supports the **Return Item**  
Control System (RICS), Large  
**Item Monitoring** System (LIMS), **Automated** Proof Correction System  
(ACPS), Automated Host Data Exchange (AHDE), and the Exception Item  
Pay/No...

**9/3,K/30 (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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05126474 Supplier Number: 78860286 (USE FORMAT 7 FOR FULLTEXT)  
**Cards conquer cheques in Singapore.**  
O'Brien, Anthony  
Electronic Payments International, p12  
July, 2001  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 959

... participating banks to transmit giro items over a secure  
communication network. It will also allow **automated processing** of  
**returned items** through the ACH.  
The Monetary Authority of Singapore maintains an oversight role  
although it is...

**9/3,K/31 (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02874380 Supplier Number: 45833570 (USE FORMAT 7 FOR FULLTEXT)  
**STERLING OFFERING FEDI CO-BRANDING**  
EDI News, v9, n20, pN/A  
Oct 2, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 381

... 500 Market Share: 20 percent in overall EDI. Products: 28 VECTOR  
solutions including cash management, **item processing**, **electronic**  
commerce, check fraud, **return item** management and customer service  
software. Customers: Great Western Banks, Northridge, Calif.; Mellon Bank  
Corp., Pittsburgh...

**9/3,K/32 (Item 3 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02821224 Supplier Number: 45721672 (USE FORMAT 7 FOR FULLTEXT)  
**STERLING AT A GLANCE**  
Bank Automation News, v7, n15, pN/A

August 9, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 100

... 500 Market Share: 20 percent in overall EDI. Products: 28 VECTOR solutions including cash management, **item processing**, **electronic** commerce, check fraud, **return item** management and customer service software. Recent News: Plans to allow banks to co-brand and...

**9/3,K/33 (Item 4 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

02741418 Supplier Number: 45562714 (USE FORMAT 7 FOR FULLTEXT)  
**NYCH MOVE MAY GIVE ECP SHOT IN THE ARM**  
Item Processing Report, v6, n10, pN/A  
May 25, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1312

... time during the day so banks don't have to change scheduling in order to **test** their new systems.  
By Fall: **Electronic Return Item** Notices  
The same ECP module is used for the stop pay and closed account file  
...

**9/3,K/34 (Item 5 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

01866558 Supplier Number: 43210896 (USE FORMAT 7 FOR FULLTEXT)  
**Sterling Announces Two Additions to VECTOR Product Line**  
Item Processing Report, v3, n15, pN/A  
August 6, 1992  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 157

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...has expanded its existing product line. Vector Return Management (VRM) is designed to manage the **return** and exception **item processing**. Vector Customer Service includes an **electronic** records component that includes a newly developed Computer Output Research Database (CORD) capability. Daily reports...

**9/3,K/35 (Item 1 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02539365 Supplier Number: 24963195 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Cards conquer cheques in Singapore**  
**(Singapore experiences rapid growth of electronic payments, especially payment cards; discusses trend)**  
Cards International, p 12

August 23, 2001

DOCUMENT TYPE: Newsletter; Industry Overview ISSN: 0956-5558 (Ireland)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 933

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...participating banks to transmit giro items over a secure communication network. It will also allow **automated processing** of **returned items** through the ACH.

The Monetary Authority of Singapore maintains an oversight role although it is...

**9/3,K/36 (Item 2 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

(c) 2006 The Gale Group. All rts. reserv.

02275993 Supplier Number: 25841291 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**NPI and ScotProv sign up for Focus online software**

**(NPI and Scottish Provident have each awarded a technology supply contract to Focus Solutions, a provider of e-commerce software)**

Money Marketing, p 16

September 21, 2000

DOCUMENT TYPE: Journal ISSN: 0958-3769 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 173

TEXT:

...be made online.

Applications are sent out across multiple channels to IFAs, who complete and **return** them **electronically** to the **product** provider for **processing** and completion.

Focus's biggest product provider clients include Norwich Union, CGU, Legal & General, Scottish...

**9/3,K/37 (Item 3 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

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01540545 Supplier Number: 24217790 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**First Union's Internet Services Cater to Businesses**

**(First Union's cash management revenue rose 18% in 1997 vs 1996 as bank uses Internet to serve business customers)**

FutureBanker, v 2, n 4, p 51

April 1998

DOCUMENT TYPE: Journal ISSN: 1092-9061 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 647

ABSTRACT:

...in 1995, and in 8/98 this service will enable customers to handle wire transfer, **automated** clearinghouse, **returned items** and exception **processing** and will offer image-based services. According to First Union

cahs management SVP Nina Archer...

**9/3,K/38 (Item 4 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01369915 Supplier Number: 24026700 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**BANKS SEEK WAY TO VIE WITH FED: LAW WOULD STIMULATE COMPETITION: LARGE  
BANKS SEEK WAY TO COMPETE WITH FEDERAL RESERVE**  
**(It is believed that large banks and clearinghouses will ultimately be able  
to take over some or all of the Fed's check processing functions)**  
Crain's New York Business, p 1  
September 15, 1997  
DOCUMENT TYPE: Journal ISSN: 8756-789X (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 811

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...time it is providing banking services-including check processing and  
clearing, wire transfers, handling of **returned items** , and,  
increasingly, **electronic** check imaging and **processing** .

'The crux is that the Federal Reserve is both a regulator and competitor  
to individual...

**9/3,K/39 (Item 5 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

00500268 Supplier Number: 23039728  
**1st Fidelity-BT Partnership Picks a Return Item System**  
**(The check-processing alliance formed by First Fidelity Bancorp and Bankers  
Trust Co, Global Processing Alliance, and Earnings Performance Group  
(EPG) have signed an agreement to institute EPG's return-item processing  
system)**  
American Banker, v 149, n 135, p 17  
July 15, 1994  
DOCUMENT TYPE: Journal ISSN: 0002-7561 (United States)  
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:

...EPG's return-item processing system. Global Processing, based in Totowa,  
NJ, offers check and **return - item processing** , **electronic** check  
presentment, and related deposit and payment services. RIPS, as the EPG  
system is known...

**9/3,K/40 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02166880 72779730  
**(Re)writing code**  
Balu, Rekha  
Fast Company n45 PP: 180-189 Apr 2001  
ISSN: 1085-9241 JRNL CODE: FSTC

Sylvia Keys

31-Jul-06 02:48 PM



WORD COUNT: 2902

...TEXT: send Seer\*HPS to Relativity.

Vivek Wadhwa, CEO

Len Erlikh, CTO

After three months of **analysis**, **automated** code writing, and **product testing**, Relativity **returned** the mutual-fund functions to Schwab in COBOL. Hardly any new computer program operates perfectly...

**9/3,K/41 (Item 2 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01980566 49066464

**2000 could be a watershed year**

Dunn, Mary Mitchell

Credit Union Magazine v66n2 PP: 71-72 Feb 2000

ISSN: 0011-1066 JRNL CODE: CUG

WORD COUNT: 1046

...TEXT: Association and the Federal Reserve on an entire range of payments issues. These issues include **returned item processing**, administrative returns, and **electronic** presentment.

CUNA regulatory advocacy

CUNA will be unveiling a number of new regulatory projects this...

**9/3,K/42 (Item 3 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01379769 00-30756

**Clearing and settlement of U.S. dollar payments: Back to the future?**

Summers, Bruce J; Gilbert, R Alton

Federal Reserve Bank of St. Louis Review v78n5 PP: 3-9+ Sep/Oct 1996

ISSN: 0014-9187 JRNL CODE: FSL

WORD COUNT: 11606

...TEXT: MICR line to checks, making them readable by check-sorting machines.

3. Creation of the **automated** clearinghouse.

4. Expedited **processing** of **return items** after passage of the Expedited Funds Availability Act.

5. General promotion of check imaging and...

**9/3,K/43 (Item 4 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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00043748 76-09568

Sylvia Keys

31-Jul-06 02:48 PM

RETURN ITEMS - A PROPOSAL FOR AUTOMATED PROCESSING  
HINDS, BERNARD N.  
MAGAZINE OF BANK ADMINISTRATION V52 N8 PP: 38-41 AUG. 1976  
ISSN: 0024-9823 JRNL CODE: BAD

RETURN ITEMS - A PROPOSAL FOR AUTOMATED PROCESSING  
?

13/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

09042259 Supplier Number: 78859089 (USE FORMAT 7 FOR FULLTEXT)  
**Plant The Seeds And Watch Them Grow -- The island will use RosettaNet standards as the basis for a b2b supply chain network that one day will link thousands of electronics companies.It's a work in progress.(International:Taiwan's Grand Experiment)**

Hung, Faith  
EBN, pNA  
Oct 1, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2164

... in the pilot stage," said Yu Wen-chee, a vice president of e-business at **Inventec** Corp., which makes corporate laptops for Compaq. "It's difficult to estimate exactly what the **return** on investment is."  
Mitac is more willing to give numbers. "Conservatively speaking, our inventories would...

13/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

13057179 SUPPLIER NUMBER: 69414438 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Privatization and the Rise of Global Capital Markets.**  
Boutchkova, Maria K.; Megginson, William L.  
Financial Management, 29, 4, 31  
Winter, 2000  
ISSN: 0046-3892 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 16797 LINE COUNT: 01913

... common stock offerings--especially IPOs from entrepreneurial growth companies.

III. The Initial and Long Term **Return** to Investors in Share Issue Privatizations

As documented in Megginson, Nash, and van Randenborgh (1994...055

Peru			
Brazil	Cervejaria Brahma	3,312	10,000
Mexico	FEMSA	3,626	
Venezuela			
Taiwan	<b>Inventec</b>	3,242	
Israel	ECI Telecom	3,176	
Israel	Teva Pharmaceutical Industri	3,025	16,446...

13/3,K/3 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

08414400 SUPPLIER NUMBER: 17863029 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NAM TAI ELECTRONICS INC. ANNOUNCES APPOINTMENT OF CONSULTANTS**  
PR Newswire, p125NYTH075  
Jan 25, 1996  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 461 LINE COUNT: 00047

... received a Doctor of Engineering Degree in 1962.  
Mr. C.S. Chuang, Managing Director of **Inventec** Co. of Taipei, Taiwan (Republic of China) has agreed to **return** as a consultant to Nam Tai. Mr. Chuang has a long association with Nam Tai...

13/3,K/4 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02563284 Supplier Number: 25011593 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Plant The Seeds And Watch Them Grow -- The island will use RosettaNet standards as the basis for a b2b supply chain network that one day will link thousands of electronics companies.It's a work in progress.**  
**(Taiwan government's plan to build a world-class b2b infrastructure for electronics industry includes "incentive implementation" of RosettaNet standards)**

EBN, p L26  
October 01, 2001  
DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1978

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...in the pilot stage," said Yu Wen-chee, a vice president of e-business at **Inventec** Corp., which makes corporate laptops for Compaq. "It's difficult to estimate exactly what the **return** on investment is."

Mitac is more willing to give numbers. "Conservatively speaking, our inventories would..."

13/3,K/5 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02528686 Supplier Number: 24940036  
**EB 300: In lean times, only the strong survive (101- 200) - Part 3 of 4 (Top 300 electronics companies ranked on revenue)**  
Electronic Business, v 27, n 8, p 22+  
August 2001  
DOCUMENT TYPE: Journal; Ranking ISSN: 1097-4881 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 3330

TEXT:

...6	2,859.6		
133	PIONEER-STANDARD ELECTRONICS	2,843.8	2,843.8
134	<b>INVENTEC</b>	2,834.5	2,834.5
135	HON HAI PRECISION	2,780.3	2,780...
...ANALOG DEVICES(*)		704.6	24.6%
133	PIONEER-STANDARD ELECTRONICS	45.7	1.6%
134	<b>INVENTEC</b>	115.9	4.1%
135	HON HAI PRECISION	312.0	11.2%
136	OCE(*)	136...	
...2,577.5	607.1		
133	PIONEER-STANDARD ELECTRONICS	2,550.7	40.1

134	INVENTEC	2,834.5	115.9
135	HON HAI PRECISION	2,780.3	312.0
136...			

...17.2

200	SIEBEL SYSTEMS	1,795.4	123.1
-----	----------------	---------	-------

FISCAL YEAR 2000

Rank	Company	Return on assets (%)	Return on equity (%)	Debt to equity (%)	Cost of sales (% of revenue)
2000	Company				
101	DU PONT...	43.3%			
133	PIONEER-STANDARD ELECTRONICS	5.0%	12.4%	98.8%	84.5%
134	INVENTEC	N/A	N/A	N/A	N/A
135	HON HAI PRECISION	N/A	N...		

...ANALOG DEVICES(\*)

133	PIONEER-STANDARD ELECTRONICS	11.4%	11.5%	15.5%	N/A
134	INVENTEC		N/A		N/A
135	HON HAI PRECISION		N/A		N/A
136	OCE(*)	27...			

...31/00

133	PIONEER-STANDARD ELECTRONICS	1,000.7	25.1%	3/31/00
134	INVENTEC	722.7	N/A	12/31/00
135	HON HAI PRECISION	N/A	N/A...	

...rental of electronics/computer equipment, software or components.

Net income (loss) is after income taxes.

Return on assets is net income divided by total assets.

Return on equity is net income divided by average equity.

Debt to equity is long- and...

13/3,K/6 (Item 3 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

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02231883 Supplier Number: 25787219

EB 300; Part 7 of 9

(Positions 151-200 of the world's top 300 electronics producers are ranked by electronics revenue in 1999; Shimadzu is 171st)

Electronic Business, v 26, n 8, p 78+

August 2000

DOCUMENT TYPE: Journal; Ranking; Cover Story; Survey ISSN: 1097-4881 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1648

TEXT:

...483.0	492.6			
153	ASCOM	2,041.3	2,041.3	59.9
154	INVENTEC CO., LTD.	2,032.7	2,032.7	100.8
155	SEIKO(1)	2,031...		

...11%	4,483.0	492.6		
153	ASCOM	3%	2,041.3	59.9
154	INVENTEC CO., LTD.	5.0%	2,032.7	106.8
155	SEIKO(1)	-4.5%	2...	
...2	232.9			

Sylvia Keys

31-Jul-06 02:50 PM

Rank	Company	Return on assets (%)	FISCAL YEAR 1999 Return on equity (%)	Debt to equity (%)
200	CONTINENTAL AG	3%	9,715.1	249.7
151	LSI LOGIC	2.1%	3...	
...	45.8%			
152	FRAMATOME	NA	NA	NA
153	ASCOM	3.7%	12.3%	NA
154	INVENTEC CO., LTD.	NA	NA	NA
155	SEIKO(1)	-4.2%	NA	NA
156	RHEINMETTAL	NA...		
...	152 FRAMATOME	NA	NA	3.7%
153	ASCOM	66.4%	17.1%	6.3%
154	INVENTEC CO., LTD.	NA	NA	NA
155	SEIKO(1)	NA	NA	NA
156	RHEINMETTAL	NA	NA...	
...	5	3.6%	12/31/99	
153	ASCOM	180.1	NA	12/31/99
154	INVENTEC CO., LTD.	NA	NA	12/31/99
155	SEIKO(1)	3,100.9	NA	3...

...rental of electronics/computer equipment, software or components.

Net income (loss) is after income taxes.

**Return** on assets is net income divided by total assets.

**Return** on equity is net income divided by average equity.

Debt to equity is long- and...

**13/3,K/7 (Item 1 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

18360036

**Taipei Int'l Telecom Show loses exhibitors**

TAIWAN ECONOMIC NEWS

August 16, 2001

JOURNAL CODE: WTEN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 322

... Telecommunications Inc., Far EastOne Telecommunications Co., Ltd., KG Telecommunications Co., Ltd., Motorola Corp., Samsung Electronics, **Inventec** On-Line Corp., and Matsushita Electric. Last year, Taiwan Cellular showcased its mobile e-commerce...

... technology, broadband Internet access, and third generation (3G) mobile telecommunications. These areas are expected to **return** as the highlights of this year's show.

**13/3,K/8 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

16090201

**Tel Aviv Stock Exchange drops 5 percent**

HA'ARETZ

October 11, 2000

JOURNAL CODE: WHTZ LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 623

The Tel Aviv Stock Exchange lost over 5 percent in value on its **return** to work yesterday, following a long weekend due to the Yom Kippur holiday. The exchange...

... Tech Index of leading technology stocks plunged 10.1 percent yesterday, to 523.5 points. **Inventec** and Orbit lost 16 percent of their value, Danbar Technologies plummeted over 18 percent and...

**13/3,K/9 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

15399672

**Dell orders first desktop PCs from Taiwan**

TAIWAN ECONOMIC NEWS

February 27, 2001

JOURNAL CODE: WTEN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 362

...produce higher-value servers to make up for sagging sales of desktop and notebook PCs. **Inventec** Corp., Acer, First Computer, Asustek Corp., Gigabyte Technology Co., Ltd., Quanta, and Arima Electronics Inc...

... but the net profit margin on the products remains above 15%--considerably higher than the **return** on notebook and desktop PCs. The top-five producers have recently outsourced much of their...

... contribute 12% of FIC's revenue this year. HP has also ordered servers from Asustek. **Inventec** will deliver servers to Compaq. Gigabyte expects servers to represent 20% of its revenue this...

**13/3,K/10 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

10666324 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Koh: US firms to invest RM500m**

STAR (MALAYSIA)

April 20, 2000

JOURNAL CODE: WTSM LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 302

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of their locating operations in Penang.

Dr Koh said he stopped in Taipei on the **return** journey and had discussions with the Acer Group chairman Datuk Stan Shih and **Inventec** Group chairman Datuk Yeh Kuo-I, who are Taiwan's top investors in Penang.

**13/3,K/11 (Item 5 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

05928100

**More Business in Brief**

SECTION TITLE: Financial News

HA'ARETZ

June 28, 1999

JOURNAL CODE: WHTZ LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 561

... in capital, based on an assessed worth of \$20 million. The Israeli venture capital fund **Inventech** led the capital drive with an investment of \$1.5 million in **return** for 7 percent of the company's stock. Other investors included groups from Europe and...  
?



File 344:Chinese Patents Abs Jan 1985-2006/Jan  
 (c) 2006 European Patent Office  
 File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
 (c) 2006 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2006/UD=200648  
 (c) 2006 The Thomson Corporation  
 File 348:EUROPEAN PATENTS 1978-2006/ 200630  
 (c) 2006 European Patent Office  
 File 349:PCT FULLTEXT 1979-2006/UB=20060727,UT=20060720  
 (c) 2006 WIPO/Univentio  
 File 331:Derwent WPI First View UD=200648  
 (c) 2006 The Thomson Corp.  
 File 351:Derwent WPI 1963-2006/UD=200648  
 (c) 2006 The Thomson Corporation  
 File 371:French Patents 1961-2002/BOPI 200209  
 (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	12044	(RETURN OR RETURNED) (5N) (PRODUCT OR PRODUCTS OR MERCHANDISE OR ITEM OR ITEMS OR GOOD? ?)
S2	82326	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) PROCESSING
S3	40161	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (TEST OR TESTS OR TESTING)
S4	63301	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (ANALYS? OR ANALYZ? OR ASSESS? OR MONITOR?)
S5	35	INVENTEC?
S6	3272	AU=(CHIU, H? OR CHIU H? OR SONG, M? OR SONG M?) OR HUNG() LIANG(2N) CHIU OR MIN() TZU(2N) SONG OR HUNG(2N) LIANG OR MIN(2N) SONG
S7	19	S1 (5N) (S2:S4)
S8	0	S5 AND S1
S9	9	S5 AND RETURN?
S10	2	S9 AND IC=G06F
S11	7	S6 AND S1

O: Reviewed

7/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0014551387 - Drawing available

WPI ACC NO: 2004-733344/

XRPX Acc No: N2004-580963

**Charging processing method for electronic commerce system, involves instructing payment processing after passage of set returned goods validity period based on stored total charging amount information**

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: YAMANAKA T

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2004295284	A	20041021	JP 200384237	A	20030326	200472 B

Priority Applications (no., kind, date): JP 200384237 A 20030326

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
JP 2004295284	A	JA	11	6		

**Charging processing method for electronic commerce system, involves instructing payment processing after passage of set returned goods validity period based on stored total charging amount information**

7/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0014120197 - Drawing available

WPI ACC NO: 2004-304672/

XRPX Acc No: N2004-242652

**Electronic return item processing method, involves receiving different electronic return notification files from different payor banks, sorting multiple files by designated bank of deposit and sending to respective designated bank**

Patent Assignee: ZIONS BANCORPORATION (ZION-N)

Inventor: BUCHANAN D; TITUS W R

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20040068464	A1	20040408	US 2002265779	A	20021008	200428 B

Priority Applications (no., kind, date): US 2002265779 A 20021008

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20040068464	A1	EN	40	2		

**Electronic return item processing method, involves receiving different electronic return notification files from different payor banks, sorting multiple files by designated bank of deposit...**

**Alerting Abstract ...a system for processing electronic return notificationsa program product for processing electronic return items...**

...USE - Used for processing electronic return items in a payor bank...

...DESCRIPTION OF DRAWINGS - The drawing shows a schematic processor level block diagram of an electronic return item processing system...

#### Original Publication Data by Authority

#### Original Abstracts:

A method, system and program product for processing electronic return items, the method comprising: receiving directly or indirectly from a plurality of different payor banks a...

#### Claims:

What is claimed is: b 1 /b . A method for processing electronic return items, comprising:receiving directly or indirectly from a plurality of different payor banks a plurality of...

7/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013549835 - Drawing available

WPI ACC NO: 2003-643731/

**System and method for integrally processing logistics/clearance and tariff return of export/import goods using communication network, and recording medium storing computer program source relating to the method**

Patent Assignee: KOREA TRADE NETWORK (KOTR-N)

Inventor: KIM H C

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
KR 2003042177	A	20030528	KR 200172718	A	20011121	200361 B

Priority Applications (no., kind, date): KR 200172718 A 20011121

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
KR 2003042177	A	KO	1	10		

**Alerting Abstract** ...clearance integrated server(100) integrally processes a logistics business, a clearance business, and a tariff return business for the export/import goods. The customer business processing system receives an electronic document for the custom business related to the logistics/clearance of the goods and sends...

7/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013395221 - Drawing available

WPI ACC NO: 2003-485331/

XRPX Acc No: N2003-385995

**Detecting faulty items in envelope manufacture compares characteristic dimension against reference value to reject failures**

Patent Assignee: WINKLER & DUENNEBIER AG (WINL)

Inventor: SAAS D

**Patent Family** (3 patents, 31 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
EP 1319500	A2	20030618	EP 200227104	A	20021204	200346 B
DE 10161424	A1	20030703	DE 10161424	A	20011213	200351 E
US 20030110739	A1	20030619	US 2002319790	A	20021213	200355 E

Priority Applications (no., kind, date): DE 10161424 A 20011213

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1319500	A2	DE	10	7		

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI  
FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR  
...similar products is monitored in various ways by cameras (3) sensors  
(5), etc. and an **analyzer** (6) which enables an **electronic** control unit  
(10) to reject **items** (12) or **return** for reworking via arrows A-F.

**7/3,K/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0012890170 - Drawing available

WPI ACC NO: 2002-749617/

Related WPI Acc No: 2002-674209; 2003-028994; 2003-103068

XRPX Acc No: N2002-590298

**Automated monitoring method of walk-in crib supply system e.g. for supply  
cabinets, involves logging item inventory into computing terminal, based on  
pushing of take button or return button**

Patent Assignee: SUPPLYPRO INC (SUPP-N)

Inventor: HOLMES W

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20020105425	A1	20020808	US 2000242417	P	20001023	200281 B
			US 2001822	A	20011023	

Priority Applications (no., kind, date): US 2000242417 P 20001023; US  
2001822 A 20011023

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20020105425	A1	EN	6	2	Related to Provisional US 2000242417	

**Original Publication Data by Authority**

**Claims:**

...station whether a take button or a return button is pushed based on  
whether an **item** is to be taken or **returned**; electronically logging in  
the **item** being taken or **returned** when the **item** is taken or **returned**  
; **electronically monitoring** a closing of the electric door when the  
user leaves the supply room; and sending...

**7/3,K/6 (Item 6 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0010002224 - Drawing available

WPI ACC NO: 2000-306064/

XRPX Acc No: N2000-228889

**Automated merchandise return system in cooperation with customer computer  
has return station that may print document under direction from central  
computer**

Patent Assignee: DEJAEGER W E Y (DEJA-I); NCR INT INC (NATC)

Inventor: DEJAEGER W E Y

**Patent Family** (3 patents, 27 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 999510	A2	20000510	EP 1999308308	A	19991021	200027 B
JP 2000148843	A	20000530	JP 1999311896	A	19991102	200033 E
US 20010037207	A1	20011101	US 1998184800	A	19981102	200168 E
			US 2001800708	A	20010307	

Priority Applications (no., kind, date): US 2001800708 A 20010307; US  
1998184800 A 19981102

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 999510	A2	EN	5	9		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2000148843	A	JA	7			
US 20010037207	A1	EN				Continuation of application US 1998184800

#### Original Titles:

...Methods and apparatus for **automated item return processing**  
...

...Methods and apparatus for **automated item return processing**

7/3,K/7 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01593095

**Method and device for the detection of product defects during fabrication  
of envelopes, mailing bags and the like**

**Verfahren und Vorrichtung zum Erkennen von Produktfehlern bei der  
Herstellung von Briefhüllen, Versandtaschen und dergleichen**

**Procede et dispositif pour la detection de defauts pendant la fabrication  
d'enveloppes, de sacs d'expedition et similaires**

PATENT ASSIGNEE:

Winkler + Dunnebier Aktiengesellschaft, (2510200), Sohler Weg 65, 56564  
Neuwied, (DE), (Applicant designated States: all)

INVENTOR:

Saas, Dirk, In der Aach 43, 56333 Winnigen, (DE)

LEGAL REPRESENTATIVE:

Schieferdecker, Lutz (10224), Tergau & Pohl Patentanwälte Eschersheimer  
Landstrasse 105-107, 60322 Frankfurt am Main, (DE)

PATENT (CC, No, Kind, Date): EP 1319500 A2 030618 (Basic)  
EP 1319500 A3 051207

APPLICATION (CC, No, Date): EP 2002027104 021204;

PRIORITY (CC, No, Date): DE 10161424 011213

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;

Sylvia Keys

31-Jul-06 02:31 PM

IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO  
INTERNATIONAL PATENT CLASS (V7): B31B-019/74; B31B-019/00  
TRANSLATED ABSTRACT WORD COUNT: 55  
ABSTRACT WORD COUNT: 77  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): German; German; German  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	200325	340
SPEC A	(German)	200325	1772
Total word count - document A			2112
Total word count - document B			0
Total word count - documents A + B			2112

...ABSTRACT similar products is monitored in various ways by cameras (3) sensors (5), etc. and an **analyzer** (6) which enables an **electronic** control unit (10) to reject **items** (12) or **return** for reworking via arrows A-F.

**7/3,K/8** (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01146213

**Methods and apparatus for** automated item return processing  
**Verfahren und Apparat fur die automatische Bearbeitung einer Warenruckgabe**  
**Methode et appareil pour le traitement automatise du retour de marchandises**  
PATENT ASSIGNEE:

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,  
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Dejaeger, Wilfried Elie Yves, 315 Hurst Bourne Lane, Duluth, Georgia  
30097, (US)

LEGAL REPRESENTATIVE:

Williamson, Brian (84715), International IP Department, NCR Limited, 206  
Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 999510 A2 000510 (Basic)  
EP 999510 A3 031022

APPLICATION (CC, No, Date): EP 99308308 991021;

PRIORITY (CC, No, Date): US 184800 981102

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G07F-007/06

ABSTRACT WORD COUNT: 155

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200019	785
SPEC A	(English)	200019	2355
Total word count - document A			3140
Total word count - document B			0
Total word count - documents A + B			3140

**Methods and apparatus for automated item return processing**

...SPECIFICATION present invention; and

Figure 5 is a flowchart illustrating the steps of a method of **automated merchandise return processing** in accordance with the present invention.

Figure 1 illustrates an automated merchandise return system 100...

7/3,K/9 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00930105

**Test station for electronic devices, in particular mobile telephones**  
**Prüfplatz für elektronische Baueinheiten, insbesondere Mobilfunktelefone**  
**Station de test pour appareils électriques, en particulier des téléphones**  
**mobiles**

PATENT ASSIGNEE:

Rohde & Schwarz GmbH & Co. KG, (288640), Muhldorfstrasse 15, D-81671  
München, (DE), (Proprietor designated states: all)

INVENTOR:

Bohler, Erwin, Holzwiesenstrasse 12, 81737 München, (DE)

LEGAL REPRESENTATIVE:

Korfer, Thomas, Dipl.-Phys. et al (84241), Mitscherlich & Partner,  
Patent- und Rechtsanwälte, Sonnenstrasse 33, 80331 München, (DE)

PATENT (CC, No, Kind, Date): EP 848260 A2 980617 (Basic)  
EP 848260 A3 990721  
EP 848260 B1 040609

APPLICATION (CC, No, Date): EP 97119274 971104;

PRIORITY (CC, No, Date): DE 19652035 961213

DESIGNATED STATES: DE; FI; GB; SE

INTERNATIONAL PATENT CLASS (V7): G01R-031/01; G01R-031/28

TRANSLATED ABSTRACT WORD COUNT: 99

ABSTRACT WORD COUNT: 79

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(German)	199825	381
CLAIMS B	(English)	200424	500
CLAIMS B	(German)	200424	382
CLAIMS B	(French)	200424	517
SPEC A	(German)	199825	1677
SPEC B	(German)	200424	1677
Total word count - document A			2058
Total word count - document B			3076
Total word count - documents A + B			5134

...CLAIMS of the preceding claims, characterised in that a self-testing device is provided along the **return** transport pathway for empty **product** carriers (1) for **testing** the wiring and/or the **electronic** components of the product carrier.

10. Test station according to any one of the preceding...

7/3,K/10 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01341138      \*\*Image available\*\*

**METHOD OF PROVIDING CASH AND CASH EQUIVALENT FOR ELECTRONIC TRANSACTIONS  
PROCEDE DESTINE A FOURNIR DE L'ARGENT LIQUIDE ET UN EQUIVALENT D'ARGENT  
LIQUIDE POUR DES TRANSACTIONS ELECTRONIQUES**

Patent Applicant/Inventor:

MEREDITH Thomas, 1015 Hickory Oak Hollow, Roswell, GA 30075, US, US  
(Residence), US (Nationality), (Designated for all)

MEISELES Howard, 1020 Compass Point Chase, Alpharetta, GA 30005, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

LINTEL Alan (agent), 14785 Preston Road, Suite 650, Dallas, TX 75254, US  
Patent and Priority Information (Country, Number, Date):

Patent: WO 200623599 A2-A3 20060302 (WO 0623599)

Application: WO 2005US29321 20050818 (PCT/WO US2005029321)

Priority Application: US 2004602952 20040819

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL  
PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU  
ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL  
PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6649

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... appropriate set of electronic token files over the network to a second  
processing device in **return** for a desired **good** or service. At a  
second **processing** device the set of **electronic** token files are  
received from the first processing device over the network and the  
authenticity...

Claim

... appropriate set of electronic token files over the network to a  
second processing device in **lreturn** for a desired **good** or service;  
at a second **processing** device:  
receiving the set of **electronic** token files from the first **processing**  
device  
over the network; and  
optionally verifying the authenticity of one or more of the...

7/3,K/11      (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00948172      \*\*Image available\*\*

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31-Jul-06 02:31 PM



**METHOD, SYSTEM AND PROGRAM FOR CUSTOMER SERVICE AND SUPPORT MANAGEMENT  
PROCEDE, SYSTEME ET PROGRAMME DE SERVICE CLIENT ET GESTION DE SUPPORT**

Patent Applicant/Assignee:

ALORICA INC, 14726 Ramona Avenue, 3rd Floor, Chino, CA 91710, US, US  
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Patent Applicant/Inventor:

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HAO Paul, 3430 Castleford Place, Rowland Heights, CA 91748, US, US  
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SUN Edward Shyh-Tyng, 20518 East Oak Meadow Lane, Diamond Bar, CA 91765,  
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only for: US)

Legal Representative:

KANG Jonathan (et al) (agent), Lee & Hong, 221 N. Figueroa Street, 11th  
Floor, Los Angeles, CA 90012, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200282320 A1 20021017 (WO 0282320)

Application: WO 2002US10333 20020404 (PCT/WO US0210333)

Priority Application: US 2001826121 20010404; US 2002112585 20020329

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20168

Fulltext Availability:

Detailed Description

Detailed Description

... The Procurement module 290 would allow

24

vendor selection and management, request for quote (RFQ) **processing**,  
online request (OLR) **processing**, **automated** order **processing**, and  
**return merchandise** management.

In the preferred embodiments, there is included a network portal 1020 and  
1040, a...

7/3,K/12 (Item 3 from file: 349)

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31-Jul-06 02:31 PM

DIALOG(R)File 349:PCT FULLTEXT  
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00937165 \*\*Image available\*\*

**NETWORK BASED BUSINESS TO BUSINESS PORTAL FOR THE RETAIL CONVENIENCE  
MARKETPLACE**

**PORTAIL DE RESEAU ENTRE ENTITES COMMERCIALES ADAPTE AU MARCHÉ DU COMMERCE  
DE DETAIL EN MAGASIN DU TYPE BAZARETTE**

Patent Applicant/Assignee:

BRITISH AMERICAN TOBACCO AUSTRALIA LIMITED, Virginia Park, Westfield  
Drive, Eastgardens, New South Wales 2036, AU, AU (Residence), AU  
(Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Shing, CN, CN (Residence), CN (Nationality), (Designated only for: US)

ABUNDO Arnold, 3 Windsor Road, Padstow, New South Wales 2211, AU, AU  
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AU (Residence), AU (Nationality), (Designated only for: US)

NAEEM Fareed, 404 Coventry Circle, Glendale Heights, IL 60139, US, US  
(Residence), US (Nationality), (Designated only for: US)

MACKAY-CRUISE Hain, 30 Cecil Street, #21-01 Prudential Tower, Singapore,  
SG, SG (Residence), AU (Nationality), (Designated only for: US)

CARLSON Janna, 19/49 North Steyne, Manly, New South Wales 2095, AU, AU  
(Residence), US (Nationality), (Designated only for: US)

YORK Timothy, 321 Kent Street, Sydney, New South Wales 2000, AU, AU  
(Residence), AU (Nationality), (Designated only for: US)

STRUWIG Werner, 321 Kent Street, Sydney, New South Wales 2000, AU, AU  
(Residence), ZA (Nationality), (Designated only for: US)

Legal Representative:

CARTER Chris John (et al) (agent), Davies Collison Cave, Level 10, 10  
Barrack Street, Sydney, New South Wales 2000, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200271282 A1 20020912 (WO 0271282)

Application: WO 2002AU215 20020301 (PCT/WO AU0200215)

Priority Application: AU 20013482 20010302

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 31863

Fulltext Availability:  
Claims

Claim  
... banking system.

4 The system as claimed in any one of the preceding claims, wherein **electronic processing of returned goods** is integrated into an order tracking procedure.

5 The system as claimed in any one...

7/3,K/13 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00903280 \*\*Image available\*\*

**METHOD AND APPARATUS FOR INTEGRATED PAYMENTS PROCESSING AND DECISIONING FOR  
INTERNET TRANSACTIONS  
PROCEDE ET APPAREIL DE TRAITEMENT DE PAIEMENTS ET DE PRISE DE DECISION  
INTEGRE POUR TRANSACTIONS SUR INTERNET**

Patent Applicant/Assignee:

WELLS FARGO BANK N A, 420 Montgomery Street, san Francisco, CA 94104, US,  
US (Residence), US (Nationality)

Inventor(s):

BANAUGH Michelle, 165 Alameda de la Loma, Novato, CA 94949, US,  
FRY Peggy J, 3889 Aragon Lane, San Ramon, CA 94583, US,  
POTTER David, 105 Rocca Drive, Fairfax, CA 94930, US,  
WOOD George Luis, 201 La Serena Avenue, Alamo, CA 94507, US,

Legal Representative:

GLENN Michael (et al) (agent), Glenn Patent Group, 3475 Edison Way, Suite  
L., Menlo Park, CA 94025, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200237370 A1 20020510 (WO 0237370)

Application: WO 2001US31830 20011012 (PCT/WO US0131830)

Priority Application: US 2000703357 20001031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8596

Fulltext Availability:  
Detailed Description  
Claims

Detailed Description  
... approved and other special promotions.

Handling Exceptions Between Two Parties.

Sylvia Keys

31-Jul-06 02:31 PM

The exception handling process comprises **returned item processing** for **electronic** checks and charge back item processing for credit card transactions.

In the preferred embodiment...

Claim

... encrypted information.

8 The apparatus of Claim 1, wherein means for handling exceptions further comprises **returned item processing**, and wherein said payments **processing** uses **electronic** checks.

31

. 'the apparatus of Claim 1, wherein means for handling exceptions further comprises chargeback...information comprises encrypted information.

42 The method of Claim 35, wherein handling exceptions further comprises **returned item processing**, and wherein said payments **processing** uses **electronic** checks.

43 The method of Claim 35, wherein handling exceptions further comprises charge back item...

**7/3,K/14 (Item 1 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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0014551387 - Drawing available

WPI ACC NO: 2004-733344/

XRPX Acc No: N2004-580963

**Charging processing method for electronic commerce system, involves instructing payment processing after passage of set returned goods validity period based on stored total charging amount information**

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: YAMANAKA T

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2004295284	A	20041021	JP 200384237	A	20030326	200472 B

Priority Applications (no., kind, date): JP 200384237 A 20030326

#### **Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
JP 2004295284	A	JA	11	6		

**Charging processing method for electronic commerce system, involves instructing payment processing after passage of set returned goods validity period based on stored total charging amount information**

**7/3,K/15 (Item 2 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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0014120197 - Drawing available

WPI ACC NO: 2004-304672/

XRPX Acc No: N2004-242652

Electronic return item processing method, involves receiving different electronic return notification files from different payor banks, sorting multiple files by designated bank of deposit and sending to respective designated bank

Patent Assignee: ZIONS BANCORPORATION (ZION-N)

Inventor: BUCHANAN D; TITUS W R

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20040068464	A1	20040408	US 2002265779	A	20021008	200428 B

Priority Applications (no., kind, date): US 2002265779 A 20021008

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20040068464	A1	EN	40	2		

Electronic return item processing method, involves receiving different electronic return notification files from different payor banks, sorting multiple files by designated bank of deposit...

Alerting Abstract ...a system for processing electronic return notificationsa program product for processing electronic return items...

...USE - Used for processing electronic return items in a payor bank...

...DESCRIPTION OF DRAWINGS - The drawing shows a schematic processor level block diagram of an electronic return item processing system...

#### Original Publication Data by Authority

#### Original Abstracts:

A method, system and program product for processing electronic return items, the method comprising: receiving directly or indirectly from a plurality of different payor banks a...

#### Claims:

What is claimed is: b 1 /b . A method for processing electronic return items, comprising:receiving directly or indirectly from a plurality of different payor banks a plurality of...

7/3,K/16 (Item 3 from file: 351)

DIALOG(R)File 351:Derwent WPI

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0013549835 - Drawing available

WPI ACC NO: 2003-643731/

System and method for integrally processing logistics/clearance and tariff return of export/import goods using communication network, and recording medium storing computer program source relating to the method

Patent Assignee: KOREA TRADE NETWORK (KOTR-N)

Inventor: KIM H C

Patent Family (1 patents, 1 countries)

Patent	Application
--------	-------------

Sylvia Keys

31-Jul-06 02:31 PM

Number	Kind	Date	Number	Kind	Date	Update
KR 2003042177	A	20030528	KR 200172718	A	20011121	200361 B

Priority Applications (no., kind, date): KR 200172718 A 20011121

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
KR 2003042177	A	KO	1	10		

**Alerting Abstract** ...clearance integrated server(100) integrally processes a logistics business, a clearance business, and a tariff **return** business for the export/import **goods** . The customer business **processing** system receives an **electronic** document for the custom business related to the logistics/clearance of the goods and sends...

**7/3,K/17 (Item 4 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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0013395221 - Drawing available

WPI ACC NO: 2003-485331/

XRPX Acc No: N2003-385995

**Detecting faulty items in envelope manufacture compares characteristic dimension against reference value to reject failures**

Patent Assignee: WINKLER & DUENNEBIER AG (WINL)

Inventor: SAAS D

**Patent Family** (3 patents, 31 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
EP 1319500	A2	20030618	EP 200227104	A	20021204	200346 B
DE 10161424	A1	20030703	DE 10161424	A	20011213	200351 E
US 20030110739	A1	20030619	US 2002319790	A	20021213	200355 E

Priority Applications (no., kind, date): DE 10161424 A 20011213

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1319500	A2	DE	10	7		

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI  
FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

...similar products is monitored in various ways by cameras (3) sensors (5), etc. and an **analyzer** (6) which enables an **electronic** control unit (10) to reject **items** (12) or **return** for reworking via arrows A-F.

**7/3,K/18 (Item 5 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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0012890170 - Drawing available

WPI ACC NO: 2002-749617/

Related WPI Acc No: 2002-674209; 2003-028994; 2003-103068

XRPX Acc No: N2002-590298

**Automated monitoring method of walk-in crib supply system e.g. for supply cabinets, involves logging item inventory into computing terminal, based on pushing of take button or return button**

Patent Assignee: SUPPLYPRO INC (SUPP-N)

Inventor: HOLMES W

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020105425	A1	20020808	US 2000242417	P	20001023	200281 B
			US 2001822	A	20011023	

Priority Applications (no., kind, date): US 2000242417 P 20001023; US 2001822 A 20011023

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20020105425	A1	EN	6	2	Related to Provisional	US 2000242417

**Original Publication Data by Authority**

**Claims:**

...station whether a take button or a return button is pushed based on whether an **item** is to be taken or **returned** ; electronically logging in the **item** being taken or **returned** when the **item** is taken or **returned** ; **electronically monitoring** a closing of the electric door when the user leaves the supply room; and sending...

**7/3,K/19 (Item 6 from file: 351)**

DIALOG(R)File 351:Derwent WPI

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0010002224 - Drawing available

WPI ACC NO: 2000-306064/

XRPX Acc No: N2000-228889

**Automated merchandise return system in cooperation with customer computer has return station that may print document under direction from central computer**

Patent Assignee: DEJAEGER W E Y (DEJA-I); NCR INT INC (NATC)

Inventor: DEJAEGER W E Y

**Patent Family** (3 patents, 27 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 999510	A2	20000510	EP 1999308308	A	19991021	200027 B
JP 2000148843	A	20000530	JP 1999311896	A	19991102	200033 E
US 20010037207	A1	20011101	US 1998184800	A	19981102	200168 E
			US 2001800708	A	20010307	

Priority Applications (no., kind, date): US 2001800708 A 20010307; US 1998184800 A 19981102

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 999510	A2	EN	5	9		

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2000148843 A JA 7

US 20010037207 A1 EN Continuation of application US 1998184800

**Original Titles:**

...Methods and apparatus for **automated item return processing**  
...

...Methods and apparatus for **automated item return processing**

Sylvia Keys

31-Jul-06 02:31 PM

10/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01432944

**Intelligent dictionary input method**

**Intelligentes Worterbucheingabeverfahren**

**Procede intelligent d'entree de donnees pour dictionnaire**

PATENT ASSIGNEE:

**Inventec** Appliances Corp., (3192650), No. 37, Wugung 5th Road, Wugu Shiang, Taipei, (TW), (Applicant designated States: all)

INVENTOR:

Liu, Ying, No. 8, Kuei-Chin Road, Tsao-He-Chin, Development District, Shanghai, (CN)

Ho, David, No. 37, Wugung 5th Road, Wugu Shiang, Tapei, (TW)

Tsai, Tony, No. 37, Wugung, 5th Road, Wugu Shiang, Tapei, (TW)

LEGAL REPRESENTATIVE:

Want, Clifford James (94471), Langner Parry 52-54 High Holborn, London WC1V 6RR, (GB)

PATENT (CC, No, Kind, Date): EP 1213643 A1 020612 (Basic)

APPLICATION (CC, No, Date): EP 2000310780 001205;

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): **G06F-003/023** ; H04M-001/2745

ABSTRACT WORD COUNT: 129

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200224	245
SPEC A	(English)	200224	3265
Total word count - document A			3510
Total word count - document B			0
Total word count - documents A + B			3510

PATENT ASSIGNEE:

**Inventec** Appliances Corp...

INTERNATIONAL PATENT CLASS (V7): **G06F-003/023** ...

...SPECIFICATION pressed, then the highlight bar moves or the page flips (step 332) and the procedure **returns** step 310.

...the OK key is pressed (step 346). If a selection item is confirmed, the procedure **returns** to step 310. Otherwise, it is further determined whether any direction key is pressed (step...

10/3,K/2 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01351146 \*\*Image available\*\*

**ELECTRONIC SOFTWARE DISTRIBUTION METHOD AND SYSTEM USING A DIGITAL RIGHTS MANAGEMENT METHOD BASED ON HARDWARE IDENTIFICATION**

**PROCEDE ET SYSTEME DE DISTRIBUTION ELECTRONIQUE DE LOGICIELS AU MOYEN D'UN PROCEDE DE GESTION DES DROITS NUMERIQUES BASE SUR L'IDENTIFICATION MATERIELLE**

Patent Applicant/Assignee:

UECKER & ASSOCIATES INC, 100 Pine Street, Suite 475, San Francisco, CA

Sylvia Keys

31-Jul-06 02:33 PM



94111, US, US (Residence), US (Nationality), (For all designated states except: US)

**INVENTEC** APPLIANCES CORPORATION, No. 37, Wugung, 5th Rd., Wugu Shiang, Taipei, Taiwan 248, TW, -- (Residence), -- (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

EBERT Robert, c/o Uecker & Associates, Inc., 100 Pine Street, Suite 475, San Francisco, CA 94111, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HAYDEN Robert et al (agent), Carr & Ferrell LLP, 2200 Geng Road, Palo Alto, CA 94303, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200633975 A2 20060330 (WO 0633975)

Application: WO 2005US32994 20050915 (PCT/WO US2005032994)

Priority Application: US 2004943595 20040917

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ  
LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH  
PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN  
YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL  
PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8154

Patent Applicant/Assignee:

... For all designated states except: US)

**INVENTEC** APPLIANCES CORPORATION...

International Patent Class (v8 + Attributes)

IPC + Level Value Position Status Version Action Source Office:

**G06F-0015/16** ...

...US

**G06F-0015/173** ...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... private keys for generating the digital hardware signature. The digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...

...section of the present disclosure with reference to FIG. 5.

[0029] Next, signature server 404 **returns** the generated digital hardware signature to ESD server 402. Upon receiving the digital hardware signature...

Claim

... PA2805US 29

Sylvia Keys

31-Jul-06 02:33 PM

. The method of claim 18 wherein the digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...

...28 The ESD system of claim 27 wherein the digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...

?

10/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01432944

**Intelligent dictionary input method**  
**Intelligentes Worterbucheingabeverfahren**  
**Procede intelligent d'entree de donnees pour dictionnaire**  
PATENT ASSIGNEE:

**Inventec** Appliances Corp., (3192650), No. 37, Wugung 5th Road, Wugu Shiang, Taipei, (TW), (Applicant designated States: all)

INVENTOR:

Liu, Ying, No. 8, Kuei-Chin Road, Tsao-He-Chin, Development District, Shanghai, (CN)

Ho, David, No. 37, Wugung 5th Road, Wugu Shiang, Tapei, (TW)

Tsai, Tony, No. 37, Wugung, 5th Road, Wugu Shiang, Tapei, (TW)

LEGAL REPRESENTATIVE:

Want, Clifford James (94471), Langner Parry 52-54 High Holborn, London WC1V 6RR, (GB)

PATENT (CC, No, Kind, Date): EP 1213643 A1 020612 (Basic)

APPLICATION (CC, No, Date): EP 2000310780 001205;

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): **G06F-003/023** ; H04M-001/2745

ABSTRACT WORD COUNT: 129

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PATENT ASSIGNEE:

**Inventec** Appliances Corp...

INTERNATIONAL PATENT CLASS (V7): **G06F-003/023** ...

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10/3,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

01351146 \*\*Image available\*\*

**ELECTRONIC SOFTWARE DISTRIBUTION METHOD AND SYSTEM USING A DIGITAL RIGHTS MANAGEMENT METHOD BASED ON HARDWARE IDENTIFICATION**  
**PROCEDE ET SYSTEME DE DISTRIBUTION ELECTRONIQUE DE LOGICIELS AU MOYEN D'UN PROCEDE DE GESTION DES DROITS NUMERIQUES BASE SUR L'IDENTIFICATION MATERIELLE**

Patent Applicant/Assignee:

UECKER & ASSOCIATES INC, 100 Pine Street, Suite 475, San Francisco, CA

Sylvia Keys

31-Jul-06 02:33 PM

94111, US, US (Residence), US (Nationality), (For all designated states except: US)

**INVENTEC** APPLIANCES CORPORATION, No. 37, Wugung, 5th Rd., Wugu Shiang, Taipei, Taiwan 248, TW, -- (Residence), -- (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

HAYDEN Robert et al (agent), Carr & Ferrell LLP, 2200 Geng Road, Palo Alto, CA 94303, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200633975 A2 20060330 (WO 0633975)

Application: WO 2005US32994 20050915 (PCT/WO US2005032994)

Priority Application: US 2004943595 20040917

Designated States:

(All protection types applied unless otherwise stated ~ for applications 2004+)

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DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ  
LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH  
PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN  
YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL  
PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8154

Patent Applicant/Assignee:

... For all designated states except: US)

**INVENTEC** APPLIANCES CORPORATION...

International Patent Class (v8 + Attributes)

IPC + Level Value Position Status Version Action Source Office:

**G06F-0015/16** ...

...US

**G06F-0015/173** ...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... private keys for generating the digital hardware signature. The digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...

...section of the present disclosure with reference to FIG. 5.

[0029] Next, signature server 404 **returns** the generated digital hardware signature to ESD server 402. Upon receiving the digital hardware signature...

Claim

... PA2805US 29

Sylvia Keys

31-Jul-06 02:33 PM

. The method of claim 18 wherein the digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...

...28 The ESD system of claim 27 wherein the digital signature server is configured to **return** the generated digital hardware signature to the Electronic Software Distribution server to form the software...  
? ds

Set	Items	Description
S1	12044	(RETURN OR RETURNED) (5N) (PRODUCT OR PRODUCTS OR MERCHANDISE OR ITEM OR ITEMS OR GOOD? ?)
S2	82326	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) PROCESSING
S3	40161	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (TEST OR TESTS OR TESTING)
S4	63301	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (ANALYS? OR ANALYZ? OR ASSESS? OR MONITOR?)
S5	35	INVENTEC?
S6	3272	AU=(CHIU, H? OR CHIU H? OR SONG, M? OR SONG M?) OR HUNG() LIANG (2N) CHIU OR MIN() TZU (2N) SONG OR HUNG (2N) LIANG OR MIN (2N) SONG
S7	19	S1 (5N) (S2:S4)
S8	0	S5 AND S1
S9	9	S5 AND RETURN?
S10	2	S9 AND IC=G06F
? s s6 and s1		
	3272	S6
	12044	S1
S11	7	S6 AND S1
? t s11/3,k/all		

**11/3,K/1 (Item 1 from file: 350)**  
DIALOG(R) File 350:Derwent WPIX  
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0013368836

WPI ACC NO: 2003-458337/

XRPX Acc No: N2003-364401

Returned product **treating method and system**

Patent Assignee: YINGYEDA CORP (YING-N)

Inventor: QIU H; **SONG M**

**Patent Family** (1 patents, 1 countries)

Patent		Application	
Number	Kind Date	Number	Kind Date Update
CN 1403978	A 20030319	CN 2001131050	A 20010906 200344 B

Priority Applications (no., kind, date): CN 2001131050 A 20010906

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
CN 1403978	A	ZH		0		

Returned product **treating method and system**

...Inventor: **SONG M**

...NOVELTY - The present invention is **returned product** treating method and system. One material list data base with BOM file established based on...

...established in advance, and the BOM file includes product code and fitting data. After the **returned product** is accepted, one **returned**

**product** file RMA including **product** code, fitting data and client code is established. The system compares the fitting data in both RMA and BOM to find the shortage in parts and establish the **returned product** part shortage file and report as the reference to charge the client. Then, the **returned product** is detected and the system establish recored with the useable fittings being dispatched for reuse.

#### Original Publication Data by Authority

Inventor name & address:  
... SONG M

11/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corporation. All rts. reserv.

0013342015 - Drawing available  
WPI ACC NO: 2003-429649/200340  
XRPX Acc No: N2003-343075

Return product **processing method in product manufacturing industries, involves determining whether return product functions properly based on comparison of return material authorization file and bill of material file**  
Patent Assignee: CHIU H (CHIU-I); INVENTEC CORP (INVE-N); SONG M (SONG-I)  
Inventor: CHIU H ; SONG M

**Patent Family** (2 patents, 2 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20030046180	A1	20030306	US 200144169	A	20011022	200340 B
GB 2382671	A	20030604	GB 200125534	A	20011024	200345 NCE

Priority Applications (no., kind, date): GB 200125534 A 20011024; TW 2001121561 A 20010831

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20030046180	A1	EN	12	4		

Return product **processing method in product manufacturing industries, involves determining whether return product functions properly based on comparison of return material authorization file and bill of material file**

#### Original Titles:

Method and system for processing **return product**  
Inventor: CHIU H ...

... SONG M

**Alerting Abstract** ...NOVELTY - A return material authorization (RMA) file (100) containing details about a **return product** , is constructed and compared with a bill of material (BOM) file (310). If the **return product** functions properly, the **product** is packed for exportation, else it is disassembled for obtaining useful assemblies which are reassembled...  
DESCRIPTION - An INDEPENDENT CLAIM is also included for **return product** processing system...

...USE - For processing **return products** in **product** manufacturing industries...

...ADVANTAGE - Enables the manufacturer to inquire the assembly data of the

**return product** in real-time for production and stock management. Hence, avoiding increase in stock of **return products** and effectively utilizes the **return product** , thereby improving profit...

...DESCRIPTION OF DRAWINGS - The figure shows a schematic block diagram of the **return product** processing system...

#### Original Publication Data by Authority

Inventor name & address:

CHIU H ...

... SONG M ...

... Chiu, Hung-Liang ...

... Song, Min-Tzu

#### Original Abstracts:

A method and a system for processing a **return product** are proposed, in which the system for processing a **return product** allows a manufacturer to inquire **return product** data through a browser of a terminal device and a network communication system. If a **return product** is tested to function properly by the system, the **return product** can be packed for exportation if necessary. If a **return product** does not function properly and is disassembled for obtaining useful assemblies, semi-fabricated products are re-assembled with the useful assemblies to be ready for exportation. If a **return product** not properly functioning is not disassembled, the **return product** can be replaced for its useless assemblies by useful assemblies, so as to be ready for exportation. This therefore effectively utilizes useful assemblies of **return products** , and shortens the production time, as well as avoids repetition in work.

#### Claims:

What is claimed is: b 1 /b . A method for processing a **return product** , for use with a system for processing a **return product** , which allows a manufacturer to inquire **return product** data through a browser of a terminal device and a network communication system, and is...

...method comprising the steps of:(1) constructing a RMA (return material authorization) file for a **return product** via a **return product** processing station after receiving the **return product** from a client, wherein the RMA file includes a product category code, assembly data and a client code of the **return product** ;(2) comparing the RMA file with a BOM file corresponding to the **product** category code of the **return product** via the system for processing a **return product** , so as to determine if the RMA file is identical in assembly data to the...

...the RMA file lacks any assembly data listed in the BOM file, it indicates the **return product** has lacking assemblies, and then step (3) is followed; or else, step (4) is followed;(3) constructing a **return product** lacking assembly file via the system for processing a **return product** according to the lacking assembly data, and establishing a report corresponding to the **return product** lacking assembly file, for being used to charge the client for the lacking assemblies of the **return product** ;(4) performing a functional test via the **return product** processing station for the **return product** , if the RMA file contains all assembly data listed in the BOM file and the **return product** is intact in assembly, so as to determine if the **return product** functions properly, wherein if the **return product** functions properly, then step

(5) is followed; or else, step (6) is followed; (5) constructing a product stock file via the system for processing a **return product** according to the **return product** intact in assembly and properly functioning, and packing the **return product** for exportation via a production line after reading the **product** stock file; (6) repairing the **return product** not functioning properly via the **return product** processing station, and determining if the repaired **return product** operates it properly, wherein if the repaired **return product** operates properly, then the step (5) is returned; or else, step (7) is followed; (7) determining via the **return product** processing station if the repaired but not properly operating **return product** is to be disassembled for obtaining useful assemblies therein, wherein if the **return product** is to be disassembled, then step (8) is followed; or else, step (9) is followed; (8) constructing a material stock file via the system for processing a **return product** according to the disassembled useful assemblies of the **return product**, and re-assembling the useful assemblies to semi-fabricated products in production via the production...

...and (9) constructing a testing product lacking assembly file via the system for processing a **return product** according to useless assemblies of the repaired but not properly operating **return product**, and replacing the useless assemblies of the **return product** with useful assemblies for making the **return product** be an exporting **product** via the production line after reading the testing product lacking assembly file.

11/3,K/3 (Item 1 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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01142040 \*\*Image available\*\*

# UNIVERSAL KNOWLEDGE INFORMATION AND DATA STORAGE SYSTEM

## SYSTEME UNIVERSEL DE STOCKAGE DE CONNAISSANCE, D'INFORMATIONS ET DE DONNEES

Patent Applicant/Assignee:

COHESIVE KNOWLEDGE SOLUTIONS INC, 25 Overlook Lane, Guilford, CR 06437,  
 US, US (Residence), US (Nationality), (For all designated states  
 except: US)

Patent Applicant/Inventor:

SONG Michael R, 25 Overlook Lane, Guilford, CT 06437, US, US  
 (Residence), US (Nationality), (Designated only for: US)

BURRESS Timothy, 9916 Colony Bluff Drive, Richmond, VA 23233, US, US  
 (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

KINNEY Michael K (et al) (agent), Wiggin & Dana LLP, One Century Tower,  
 P.O.Box 1832, New Haven, CT 06508-1832, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200463967 A2-A3 20040729 (WO 0463967)

Application: WO 2004US527 20040109 (PCT/WO US04000527)

Priority Application: US 2003439181 20030110; US 2003482171 20030624

Designated States:

(All protection types applied unless otherwise stated - for applications  
 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
 DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
 SI SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG



(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 32468

Patent Applicant/Inventor:

**SONG Michael R** ...

Fulltext Availability:

Detailed Description

Detailed Description

... unlimited resources?

- Lets discuss your idea of return value. What do you think is fair  
**return** value

0 for poor output, **good** output, and great output?

- If we provide you with excellent output, would it be possible...

**11/3,K/4 (Item 2 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00943111 \*\*Image available\*\*

**GAS PHASE PROCESS FOR POLYMERS WITH GROUP 4 METAL COMPLEX CATALYST ADDITION  
PROCESSUS EN PHASE GAZEUSE POUR POLYMERES AVEC ADJONCTION CATALYTIQUE DE  
COMPLEXE METALLIQUE DE GROUPE 4**

Patent Applicant/Assignee:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION, 39 Old  
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Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

**SONG Woo Min**, 1504 Avalon Street, Midland, MI 48642, US, US  
(Residence), US (Nationality), (Designated only for: US)

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US (Nationality), (Designated only for: US)

REBHAN David M, 428 Forest Drive, Lake Jackson, TX 77566, US, US  
(Residence), US (Nationality), (Designated only for: US)

FEDEC Matthew J, 340 Roxalana Hills Drive, Dunbar, WV 25064-1923, US, US  
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WIDMAR Albert L, 3311 Kanawha Boulevard East, Charleston, WV 25306, US,  
US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

DELINE Douglas N (agent), The Dow Chemical Company, Intellectual  
Property, P.O. Box 1967, Midland, MI 48641-1967, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200277045 A2-A3 20021003 (WO 0277045)

Application: WO 2002US6082 20020301 (PCT/WO US0206082)

Priority Application: US 2001278960 20010327

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL  
TJ TM TN TR TT TZ UA UG US UZ YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 15660

Patent Applicant/Inventor:

... Designated only for: US)

**SONG Woo Min ,**

Fulltext Availability:

Detailed Description

Detailed Description

... from line 44. Although not shown, it is desirable to separate any  
fluid from the **product** and to **return** the fluid to reactor vessel 1 0,  
In accordance with the present invention, the polymerization...

**11/3,K/5 (Item 3 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00522663 \*\*Image available\*\*

**INTERACTIVE TOY**

**JOUET INTERACTIF**

Patent Applicant/Assignee:

CREATOR LTD,

GABAY Oz,

GABAY Jacob,

SANDLERMAN Nimrod,

Inventor(s):

GABAY Oz,

GABAY Jacob,

SANDLERMAN Nimrod,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9954015 A1 19991028

Application: WO 99IL202 19990415 (PCT/WO IL9900202)

Priority Application: IL 124122 19980416; US 9881255 19980519

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE  
ES FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM  
TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG  
KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF  
BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 97393

Fulltext Availability:

Detailed Description

Detailed Description

Sylvia Keys

31-Jul-06 02:33 PM

... Wow, what an afternoon! I'm Storyteller!  
What's your Secret Name, please?  
Op025m "Hi! **Good** evening! Wow, what a night. I'm Storyteller!  
What's your Secret Name, please?  
op036rn...song. We can hear another song, play a game, or tell a story.  
Just say: **SONG** or GAME or STORY.

Sng410 + All right, We're going to do a great **song** now. Here goes...  
[SINGS short HEAD  
SNG-HAND AND SHOULDERS]  
sng4I5 What a song! What...RULE 26)  
rb345 "No need to catch them," said the Hungry Man. "Those rabbits are  
**good** and stuck...

right where they are. I'll go out to the garden and pick...Speech  
Recognition Software  
Development Kit" for WINDOWS 95 version 3.0 from Lernout &  
Hauspie Speech **Products** , Sint-Krispisenstraat 7. 8900 Leper,  
Belgium;  
4) Compile the source code of the sections of...

**11/3,K/6 (Item 1 from file: 351)**  
DIALOG(R)File 351:Derwent WPI  
(c) 2006 The Thomson Corporation. All rts. reserv.

0013368836  
WPI ACC NO: 2003-458337/  
XRPX Acc No: N2003-364401  
Returned product **treating method and system**  
Patent Assignee: YINGYEDA CORP (YING-N)  
Inventor: QIU H; **SONG M**  
**Patent Family** (1 patents, 1 countries)  
Patent Application  
Number Kind Date Number Kind Date Update  
CN 1403978 A 20030319 CN 2001131050 A 20010906 200344 B

Priority Applications (no., kind, date): CN 2001131050 A 20010906

#### **Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
CN 1403978	A	ZH		0		

Returned product **treating method and system**  
...Inventor: **SONG M**  
...NOVELTY - The present invention is **returned product** treating  
method and system. One material list data base with BOM file established  
based on...

...established in advance, and the BOM file includes product code and  
fitting data. After the **returned product** is accepted, one **returned**  
**product** file RMA including **product** code, fitting data and client code is  
established. The system compares the fitting data in both RMA and BOM to  
find the shortage in parts and establish the **returned product** part  
shortage file and report as the reference to charge the client. Then, the  
**returned product** is detected and the system establish recored with the  
useable fittings being dispatched for reuse.

#### **Original Publication Data by Authority**

Inventor name & address:  
... SONG M

11/3,K/7 (Item 2 from file: 351)  
DIALOG(R)File 351:Derwent WPI  
(c) 2006 The Thomson Corporation. All rts. reserv.

0013342015 - Drawing available  
WPI ACC NO: 2003-429649/200340  
XRPX Acc No: N2003-343075

Return product processing method in product manufacturing industries,  
involves determining whether return product functions properly based on  
comparison of return material authorization file and bill of material file  
Patent Assignee: CHIU H (CHIU-I); INVENTEC CORP (INVE-N); SONG M (SONG-I)  
Inventor: CHIU H ; SONG M

Patent Family (2 patents, 2 countries)

Patent			Application			Update	
Number	Kind	Date	Number	Kind	Date		
US 20030046180	A1	20030306	US 200144169	A	20011022	200340	B
GB 2382671	A	20030604	GB 200125534	A	20011024	200345	NCE

Priority Applications (no., kind, date): GB 200125534 A 20011024; TW  
2001121561 A 20010831

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20030046180	A1	EN	12	4		

Return product processing method in product manufacturing industries,  
involves determining whether return product functions properly based on  
comparison of return material authorization file and bill of material file  
Original Titles:

Method and system for processing return product  
Inventor: CHIU H ...

... SONG M

Alerting Abstract ...NOVELTY - A return material authorization (RMA) file  
(100) containing details about a return product , is constructed and  
compared with a bill of material (BOM) file (310). If the return product  
functions properly, the product is packed for exportation, else it is  
disassembled for obtaining useful assemblies which are reassembled...  
DESCRIPTION - An INDEPENDENT CLAIM is also included for return product  
processing system...

...USE - For processing return products in product manufacturing  
industries...

...ADVANTAGE - Enables the manufacturer to inquire the assembly data of the  
return product in real-time for production and stock management. Hence,  
avoiding increase in stock of return products and effectively utilizes  
the return product , thereby improving profit...

...DESCRIPTION OF DRAWINGS - The figure shows a schematic block diagram of  
the return product processing system...

Original Publication Data by Authority

Inventor name & address:

CHIU H ...

... SONG M ...

... Chiu, Hung-Liang ...

... Song, Min-Tzu

**Original Abstracts:**

A method and a system for processing a **return product** are proposed, in which the system for processing a **return product** allows a manufacturer to inquire **return product** data through a browser of a terminal device and a network communication system. If a **return product** is tested to function properly by the system, the **return product** can be packed for exportation if necessary. If a **return product** does not function properly and is disassembled for obtaining useful assemblies, semi-fabricated products are re-assembled with the useful assemblies to be ready for exportation. If a **return product** not properly functioning is not disassembled, the **return product** can be replaced for its unuseful assemblies by useful assemblies, so as to be ready for exportation. This therefore effectively utilizes useful assemblies of **return products**, and shortens the production time, as well as avoids repetition in work.

**Claims:**

What is claimed is: b 1 /b . A method for processing a **return product**, for use with a system for processing a **return product**, which allows a manufacturer to inquire **return product** data through a browser of a terminal device and a network communication system, and is...

...method comprising the steps of:(1) constructing a RMA (return material authorization) file for a **return product** via a **return product** processing station after receiving the **return product** from a client, wherein the RMA file includes a product category code, assembly data and a client code of the **return product** ;(2) comparing the RMA file with a BOM file corresponding to the **product** category code of the **return product** via the system for processing a **return product**, so as to determine if the RMA file is identical in assembly data to the...

...the RMA file lacks any assembly data listed in the BOM file, it indicates the **return product** has lacking assemblies, and then step (3) is followed; or else, step (4) is followed;(3) constructing a **return product** lacking assembly file via the system for processing a **return product** according to the lacking assembly data, and establishing a report corresponding to the **return product** lacking assembly file, for being used to charge the client for the lacking assemblies of the **return product** ;(4) performing a functional test via the **return product** processing station for the **return product**, if the RMA file contains all assembly data listed in the BOM file and the **return product** is intact in assembly, so as to determine if the **return product** functions properly, wherein if the **return product** functions properly, then step (5) is followed; or else, step (6) is followed;(5) constructing a product stock file via the system for processing a **return product** according to the **return product** intact in assembly and properly functioning, and packing the **return product** for exportation via a production line after reading the **product** stock file;(6) repairing the **return product** not functioning properly via the **return product** processing station, and determining if the repaired **return product** operates it properly, wherein if the repaired **return product** operates properly, then the step (5) is returned; or else, step (7) is followed;(7) determining via the **return product** processing station if the repaired but not properly

operating **return product** is to be disassembled for obtaining useful assemblies therein, wherein if the **return product** is to be disassembled, then step (8) is followed; or else, step (9) is followed; (8) constructing a material stock file via the system for processing a **return product** according to the disassembled useful assemblies of the **return product**, and re-assembling the useful assemblies to semi-fabricated products in production via the production...

...and(9) constructing a testing product lacking assembly file via the system for processing a **return product** according to unuseful assemblies of the repaired but not properly operating **return product**, and replacing the unuseful assemblies of the **return product** with useful assemblies for making the **return product** be an exporting **product** via the production line after reading the testing product lacking assembly file.

?

File 256:TecInfoSource 82-2006/Oct  
 (c) 2006 Info.Sources Inc  
 File 8: Ei Compendex(R) 1970-2006/Jul W4  
 (c) 2006 Elsevier Eng. Info. Inc.  
 File 14: Mechanical and Transport Engineer Abstract 1966-2006/Jul  
 (c) 2006 CSA.  
 File 94: JICST-EPlus 1985-2006/Apr W4  
 (c) 2006 Japan Science and Tech Corp(JST)  
 File 6: NTIS 1964-2006/Jul W3  
 (c) 2006 NTIS, Intl Cpyrght All Rights Res  
 File 34: SciSearch(R) Cited Ref Sci 1990-2006/Jul W4  
 (c) 2006 The Thomson Corp  
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 2006 The Thomson Corp  
 File 7: Social SciSearch(R) 1972-2006/Jul W4  
 (c) 2006 The Thomson Corp

Set	Items	Description
S1	1963	(RETURN OR RETURNED) (5N) (PRODUCT OR PRODUCTS OR MERCHANDISE OR ITEM OR ITEMS OR GOOD? ?)
S2	24708	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) PROCESSING
S3	32611	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (TEST OR TESTS OR TESTING)
S4	82811	(AUTOMATED OR COMPUTERI? OR ELECTRONIC?) (5N) (ANALYS? OR ANALYZ? OR ASSESS? OR MONITOR?)
S5	1	INVENTEC?
S6	5209	AU=(CHIU, H? OR CHIU H? OR SONG, M? OR SONG M?) OR HUNG() LIANG(2N) CHIU OR MIN() TZU(2N) SONG OR HUNG(2N) LIANG OR MIN(2N) SONG
S7	25	S1 AND (S2:S4)
S8	20	S7 NOT PY>2001
S9	0	S5 AND RETURN?
S10	1	S6 AND S1

O : reviewed

8/5/1 (Item 1 from file: 256)  
DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00156165 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Software Testing (830237); Embedded Systems (830390)

**TITLE:** Fit Software Tests to Code Needs  
**AUTHOR:** Titus, Jon  
**SOURCE:** ECN, v49 n7 p47(1) Jun 2005  
**ISSN:** 1523-3081  
**HOME PAGE:** <http://www.ecnmag.com>

**FILE SEGMENT:** Review  
**RECORD TYPE:** Product Analysis

A discussion of software testing that meets the needs of embedded systemsk

code notes that there is no perfect methodology for testing software. The fact that developers concentrate more on how to find bugs instead of getting rid of bugs from the outset is one issue. An approach called automated error prevention that finds problems as developers write code has been devised by Parasoft. Steve Robinson, a consultant for 2-Step, always tests hardware and software concurrently to make sure the software works as it should. In many consumer products with which Robinson works, the final code quantity is less than 2,048 bytes. Robinson uses a scope to recheck timing relationships after he removes statements that send diagnostic information. The system is then tested again. Dr. Adam Kolawa of Parasoft says developers have to cautiously manage their system requirements and also deploy a source-control system that works well to track changes. Sean Beatty of High Impact Services, a software consultancy, says testing should provide **good return** on time, work, and money invested in software. Quality cannot be tested into a product, and products have to be designed and deployed well. Among problems that can be detected with software testing are deadlocks, race conditions, and timing anomalies. When code is partitioned into crucial and non-crucial sections and tested as such, companies can save money.

**COMPANY NAME:** TecTerms (999999)  
**DESCRIPTORS:** Consumer **Electronics** ; Embedded Systems; Quality Assurance;  
Software **Testing**  
**REVISION DATE:** 20060100

8/5/2 (Item 2 from file: 256)  
DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00141019 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Electronic Customer Service (840572)

**TITLE:** Voice Application And Infrastructure Testing: A 'Win-Win' Proposition  
**AUTHOR:** Grzybinski, Charlie  
**SOURCE:** Customer Inter@ction Solutions, v21 n2 p60(3) Aug 2002  
**ISSN:** 1529-1782  
**HOME PAGE:** <http://www.cismag.com>



FILE SEGMENT: Review  
RECORD TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Self-service applications provided through interactive voice response, computer telephony integration, and voice recognition only provide return on investment (ROI) if customers use them. Bad performance, including slow databases or host responses, inaccurate call routing, and failed transactions, will result in some customers instead pressing zero to talk to an agent. Although IVR and CTI are the wave of the future, but contact center managers have to ensure before purchasing enabling components that they will get the maximum **return** from these **products**. They can do so by completely and automatically testing IVR/CTI applications. When **testing** is thorough and **automated**, contact center managers can find and fix scalability problems and remove performance speed-bumps before an application goes into production. Many product and service solutions are available that provide such testing features, which will find costly and otherwise difficult to locate scalability problems by emulating thousands of callers in actual traffic patterns that precisely evaluate the performance of an application and its foundational voice infrastructure. The tools provide a view of system performance from the customer's perspective, and provide granular reports, while also providing a good background through archived data and reusable test script for further testing, performance benchmarking, and ongoing monitoring. Four steps to effective testing are described, often-encountered obstacles to effective testing are outlined.

COMPANY NAME: TecTerms (999999)  
DESCRIPTORS: Call Centers; Computer Telephony; Electronic Customer Service  
; IVR (Voice Response); Quality Assurance  
REVISION DATE: 20021130

8/5/3 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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06174114 E.I. No: EIP02437161122

**Title: Improving visual inspection using binocular rivalry**  
Author: Drury, Colin G.; Maheswar, Girish; Das, Aniruddha; Helander, Martin G.  
Corporate Source: State Univ. of New York at Buffalo Department of Industrial Engineering, Buffalo, NY 14260-2050, United States  
Source: International Journal of Production Research v 39 n 10 Jul 10 2001. p 2143-2153  
Publication Year: 2001  
CODEN: IJPRB8 ISSN: 0020-7543  
Language: English  
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)  
Journal Announcement: 0211W1  
Abstract: To design inspection systems for modern manufacturing conditions, an appropriate mix of human and computer abilities is required. Human inspectors are not very effective at the Search function of inspection, meaning that search tasks are more suited to **automated** vision systems. We **assessed** a novel visual technique-binocular rivalry arising from stereo viewing conditions-to enhance human search performance. A sequence of three inspection experiments was used to determine whether binocular rivalry is practical and effective. An initial study using circuit board images showed a small but significant effect of binocular fusion. A second study using simulated material with excellent registration between the left and right images showed binocular rivalry to

increase performance considerably. Binocular rivalry also removed any negative effect of inspecting for multiple defects simultaneously. The third study **returned** to realistic inspected **items**, but ensured good registration by placing images on a computer screen. This study again showed the superiority of binocular rivalry. There was no unusual visual strain from stereo viewing. Together, these studies allow us to delineate the conditions under which the benefits of binocular rivalry can be exploited in quality control practice. 31 Refs.

Descriptors: \*Factory automation; Computer aided manufacturing; Computer integrated manufacturing; Inspection; Production engineering; Quality control

Identifiers: Visual inspection systems; Automated vision systems

Classification Codes:

913.4.2 (Computer Aided Manufacturing); 913.3.1 (Inspection)  
913.4 (Manufacturing); 723.5 (Computer Applications); 913.3 (Quality Assurance & Control); 913.1 (Production Engineering)  
913 (Production Planning & Control; Manufacturing); 723 (Computer Software, Data Handling & Applications)  
91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING)

8/5/4 (Item 2 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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05371102 E.I. No: EIP99094775316

**Title: Using end-of-life cost estimates to perform design for environment investment analysis: A Hewlett-Packard case study**

Author: Muller, Alejandro

Corporate Source: Carnegie Mellon Univ, Pittsburgh, PA, USA

Conference Title: Proceedings of the 1999 7th IEEE International Symposium on Electronics and the Environment, ISEE-1999

Conference Location: Danvers, MA, USA Conference Date: 19990511-19990513

Sponsor: IEEE Computer Society

E.I. Conference No.: 55362

Source: IEEE International Symposium on Electronics and the Environment 1999. p 320-324

Publication Year: 1999

CODEN: 85OPAA

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9911W1

Abstract: A methodology for estimating the potential **product return**, recycling and disposal costs incurred as a consequence of European takeback mandates, corporate leasing arrangements and volunteer takeback initiatives, is discussed. Furthermore, the use of these end-of-life costs to estimate the economic benefits of design for environment (DFE) is illustrated. At Hewlett-Packard, the end-of-life costs were estimated for a particular product line. Using this information, the economic benefits from DFE were also estimated. This information assisted the product line management in justifying expenditures on DFE.

Descriptors: \*Consumer electronics; **Electronic** equipment; Service life; Cost benefit **analysis**; Cost effectiveness; Waste disposal; Recycling; Environmental impact; Environmental protection

Identifiers: End-of-life cost estimates; Design for environment (DFE)

Classification Codes:

912.2 (Management); 911.2 (Industrial Economics); 452.4 (Industrial Wastes Treatment)  
715 (General Electronic Equipment); 913 (Production Planning & Control); 911 (Industrial Economics); 912 (Industrial Engineering & Management);

452 (Sewage & Industrial Wastes Treatment)

71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT); 45 (POLLUTION & SANITARY ENGINEERING)

**8/5/5 (Item 3 from file: 8)**

DIALOG(R)File 8: Ei Compendex(R)

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05063406 E.I. No: EIP98074289589

**Title: Electronic products recovery - PAWS, a BRITE-EURAM project**

Author: Goggin, Kate; Browne, Jim

Corporate Source: Univ Coll Galway, Galway, UK

Source: Computers in Industry v 36 n 1-2 Apr 30 1998. p 65-74

Publication Year: 1998

CODEN: CINUD4 ISSN: 0166-3615

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9809W2

Abstract: Legislative, customer and consumer pressures are increasingly being brought to bear on the manufacturers of electronic products to take back their product at end-of-life. There are economic, legal, organizational, business, and technological issues associated with product take-back. These issues can not be addressed by applying the techniques of manufacturing and distribution. The technological issues of resource recovery may broadly be seen as relating to: material design and selection and product design; process technologies and process design; product and production; supply chain management, design and logistics and information systems. Resource recovery issues affect the entire product life cycle, from design to final disposition, 27 and extensive work is required that will provide understanding of the business, organization, management and control of take-back, the information system requirements of resource recovery and the technology requirements to facilitate the **return** and **processing** of **electronic products** at end-of-life. The Product Acquisition from Waste Streams (PAWS) project is a BRITE-EURAM project that aims to provide industry with an understanding of resource recovery in terms of business models and objectives and to provide industry with prototype tools - information systems - that support resource recovery. (Author abstract) 9 Refs.

Descriptors: \*Electronics packaging; Product design; Process control; Management information systems

Identifiers: Electronic product recovery; Product take back

Classification Codes:

913.1 (Production Engineering); 723.2 (Data Processing); 912.2 (Management)

715 (General Electronic Equipment); 913 (Production Planning & Control); 731 (Automatic Control Principles); 723 (Computer Software); 912 (Industrial Engineering & Management)

71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT); 73 (CONTROL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

**8/5/6 (Item 4 from file: 8)**

DIALOG(R)File 8: Ei Compendex(R)

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04346337 E.I. No: EIP96023024011

**Title: Design for test and how it accelerates the engineering process (case study of a winning DFM product)**

Author: LeBrun, James F.

Corporate Source: Mentor Graphics Corp, San Jose, CA, USA

Conference Title: Proceedings of the 1995 Wescon Conference  
Conference Location: San Francisco, CA, USA Conference Date:  
19951107-19951109

Sponsor: IEEE; ERA

E.I. Conference No.: 44303

Source: Wescon Conference Record 1995. Wescon, Los Angeles, CA,  
USA, 95CB35791. p 525-530

Publication Year: 1995

CODEN: WCREDI

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review)

Journal Announcement: 9604W1

Abstract: A methodology that identifies critical success factors for product development is detailed using an actual case study. The investigation process steps are: knowing one's customer requirements; analyzing business (customer and market) requirements; analyzing company constraints; resolving conflicts/trade-offs; verifying requirements; and validating requirements continuously through implementation.

Descriptors: \*Product design; Production engineering; Quality assurance; Project management; Computer software; Printed circuit design; Computer aided design; Logic design; Assembly; Printed circuit testing

Identifiers: Critical success factors; Product life cycle; **Electronic** design automation; Design for **test**; **Return** of investment; Physical test manager; **Product** development; Requirements

Classification Codes:

913.1 (Production Engineering); 913.3 (Quality Assurance & Control); 912.2 (Management); 723.1 (Computer Programming); 714.2 (Semiconductor Devices & Integrated Circuits); 723.5 (Computer Applications)

913 (Production Planning & Control); 912 (Industrial Engineering & Management); 723 (Computer Software); 714 (Electronic Components)

91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

8/5/7 (Item 5 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03812202 E.I. No: EIP94031225423

**Title: Practical approach to test surface components**

Author: Schutt, Jeffry

Corporate Source: Trace Lab, Chicago, IL, USA

Source: Surface Mount Technology v 7 n 11 Nov 1993. p 818-823

Publication Year: 1993

CODEN: SMTEEL ISSN: 0893-3588

Language: English

Document Type: JA; (Journal Article) Treatment: X; (Experimental)

Journal Announcement: 9404W4

Abstract: Testing of surface mount technology involves the application of environmental, mechanical, and electrical stresses, that either simulate or accelerate the stresses to validate its integrity. These simulations may involve a rather sophisticated and expensive tests program on samples from production or a brief screen on 100 percent of the production quantity. The benefits are apparent: improved **product** quality, reliability, customer goodwill, and **return** on investment. Nevertheless, it is important to weigh costs versus benefits, and it is critical that the test selected provides the most useful information for a minimal investment. Such a consideration is becoming more difficult given the increase in the degree of sophistication of surface mount technology and the corresponding test programs available.

Descriptors: \*Surface mount technology; Components; **Electronic**

equipment manufacture; Stress **analysis** ; Computer simulation  
Identifiers: Prototypes; Up front testing  
Classification Codes:  
714.2 (Semiconductor Devices & Integrated Circuits); 715.1 (Electronic Equipment, non-communication); 943.2 (Mechanical Variables Measurements); 723.1 (Computer Programming)  
714 (Electronic Components); 715 (General Electronic Equipment); 943 (Mechanical & Miscellaneous Measuring Instruments); 723 (Computer Software)  
71 (ELECTRONICS & COMMUNICATIONS); 94 (INSTRUMENTS & MEASUREMENT); 72 (COMPUTERS & DATA PROCESSING)

8/5/8 (Item 6 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03631038 E.I. No: EIP92110630637

**Title: Test method for fiber optic connector parameters directly affecting return loss**

Author: Pasturczyk, Z.; Chepyha, T.; Saravanos, C.; Wood, H.  
Corporate Source: Northern Telecom Canada Ltd, Saskatoon, Sask, Can  
Conference Title: Sixth Technical Digest Symposium on Optical Fiber Measurements - 1990

Conference Location: Boulder, CO, USA Conference Date: 19900911

E.I. Conference No.: 17254

Source: NIST Special Publication n 792 Sep 1990. p 163-166

Publication Year: 1990

CODEN: NSPUE2

Language: English

Document Type: RR; (Report Review) Treatment: X; (Experimental); A; (Applications)

Journal Announcement: 9307W1

Abstract: It is common practice for connector manufacturers to measure the return loss of fiber optic connectors according to FOTP-107. The limitations of this test method made it necessary to develop a supplementary test method so that **good return** loss is guaranteed for even the most unfavorable circumstances in the field. This paper describes a novel **automated test** station for measuring the geometrical parameters of connector end faces using a non-contacting optical method, in which a personal computer is used to analyze interferometric images of the connector end face. 3 Refs.

Descriptors: \*Optical Devices; Testing; Optical Variables Measurement; Materials Testing Apparatus; Fiber Optics

Identifiers: Fiber Optic Connector; Return Loss; **Automated Test Station**

Classification Codes:

741.1.2 (Fiber Optics)

741.3 (Optical Devices & Systems); 423.1 (Test Equipment); 423.2 (Test Methods); 741.1 (Light/Optics)

741 (Optics & Optical Devices); 423 (General Materials Properties & Testing)

74 (OPTICAL TECHNOLOGY); 42 (MATERIALS PROPERTIES & TESTING)

8/5/9 (Item 7 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03352593 E.I. Monthly No: EIM9112-064277

**Title: Passive 8-16GHz MMIC image-reject mixer.**

Author: Murphy, Michael T.

Corporate Source: M/A-COM Advanced Semiconductor Div, Lowell, MA, USA

Conference Title: 12th Annual IEEE Gallium Arsenide Integrated Circuit Symposium - GaAs IC

Conference Location: New Orleans, LA, USA Conference Date: 19901007

Sponsor: IEEE Electron Devices Soc; IEEE Microwave Theory & Techniques Soc

E.I. Conference No.: 15171

Source: Technical Digest - GaAs IC Symposium (Gallium Arsenide Integrated Circuit). Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 90CH2889-4). p 117-120

Publication Year: 1990

CODEN: TDGSEE

Language: English

Document Type: PA; (Conference Paper) Treatment: T; (Theoretical); A; (Applications); X; (Experimental)

Journal Announcement: 9112

Abstract: A passive 8-16-GHz MMIC image-reject mixer design is presented. The circuit, fabricated on a 4-mil GaAs substrate, is entirely passive and uses planar Schottky barrier diodes as the mixing elements. The topology is a phase-type configuration using two single-balanced mixers and in-phase and quadrature power dividers on-chip, with an off-chip IF quadrature combiner in the 0.1 to 1.5-GHz band. This approach results in high process yields and excellent circuit uniformity. The design methodology and experimental results are described. A maximum conversion loss of 8 dB, greater than 20-dB image-rejection, and **good return** loss and port to port isolations were achieved using an 18-dBm LO (local oscillator) drive and an IF of 100 MHz. 4 Refs.

Descriptors: \*INTEGRATED CIRCUITS, MONOLITHIC--\*Microwaves; SEMICONDUCTING GALLIUM ARSENIDE; IMAGE **PROCESSING**; SEMICONDUCTOR DIODES; **ELECTRONIC** CIRCUITS, MIXER

Identifiers: PASSIVE MMIC IMAGE REJECT MIXERS; GALLIUM ARSENIDE SUBSTRATE; QUADRATURE POWER DIVIDERS; IF QUADRATURE COMBINERS

Classification Codes:

713 (Electronic Circuits); 741 (Optics & Optical Devices); 723 (Computer Software); 712 (Electronic & Thermionic Materials)

71 (ELECTRONICS & COMMUNICATIONS); 74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

**8/5/10 (Item 8 from file: 8)**

DIALOG(R)File 8: Ei Compendex(R)

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02869554 E.I. Monthly No: EI9003033821

**Title: Computer-aided test process models. What do they tell about test cost?.**

Author: Hungerford, James F.

Corporate Source: GenRad Inc, Concord, MA, USA

Source: Engineering Costs and Production Economics v 18 n 1 Oct 1989 p 11-21

Publication Year: 1989

CODEN: ECPEDE ISSN: 0167-188X

Language: English

Document Type: JA; (Journal Article) Treatment: E; (Economic/Cost Data/Market Survey); M; (Management Aspects)

Journal Announcement: 9003

Abstract: This paper provides an analysis of the variables that affect the cost of **test** and repair in **electronics** manufacturing. Numeric data presented were generated using 'Test Process Modeling', a technique that

employs mathematical models to explain the relationship of manufacturing and test variables to **product** quality, test cost, and **return** on-investment in electronics manufacturing. This discussion will give specific examples of how sensitivity analysis can be used as a decision aid to improve product quality, lower test costs, and promote intelligent investment decisions in the test and repair process. (Edited author abstract) 3 Refs.

Descriptors: \*QUALITY CONTROL--\*Costs; ELECTRONIC EQUIPMENT--Testing; MATHEMATICAL TECHNIQUES--Sensitivity Analysis; COST ACCOUNTING--Mathematical Models

Identifiers: TEST PROCESS MODELING; TEST COST; RETURN ON INVESTMENT

Classification Codes:

913 (Production Planning & Control); 911 (Industrial Economics); 715 (General Electronic Equipment); 921 (Applied Mathematics); 922 (Statistical Methods)

91 (ENGINEERING MANAGEMENT); 71 (ELECTRONICS & COMMUNICATIONS); 92 (ENGINEERING MATHEMATICS)

8/5/11 (Item 9 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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02702636 E.I. Monthly No: EI8902010710

**Title: Static testing: know your enemy.**

Author: Ellis, John

Corporate Source: Hartley Measurements

Source: New Electronics v 21 n 6 Jun 1988 p 48-49

Publication Year: 1988

CODEN: NWELAC ISSN: 0047-9624

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)

Journal Announcement: 8902

Abstract: Electrostatic damage (ESD) is an expensive problem affecting many different types of electronic components. Manufacturers find that their **products** are **returned** by OEMs and users after failing for no obvious reasons. Often the case is ESD. Components are at risk from ESD through several routes. Static charge can build in component handling systems and through air conditioning or inductive charging. People frequently become charged mainly through frictional effects (tribo-electric charging) or through contact with other statically charged objects. Electrical body models and test strategies are discussed.

Descriptors: \*ELECTROSTATICS--\*Electric Charge; **ELECTRONIC EQUIPMENT TESTING**; INTEGRATED CIRCUIT **TESTING**

Identifiers: STATIC TESTING; ELECTROSTATIC DAMAGE (ESD); STATIC CHARGE; INDUCTIVE CHARGING; ESD STANDARD; ELECTRICAL IMPULSES

Classification Codes:

701 (Electricity & Magnetism); 714 (Electronic Components); 713 (Electronic Circuits); 715 (General Electronic Equipment); 902 (Engineering Graphics & Standards)

70 (ELECTRICAL ENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS); 90 (GENERAL ENGINEERING)

8/5/12 (Item 10 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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02090406 E.I. Monthly No: EIM8605-028833

**Title: COMPUTER-AIDED TEST PROCESS MODELS WHAT DO THEY TELL ABOUT TEST**

Sylvia Keys

31-Jul-06 02:37 PM

## **COST?**

Author: Hungerford, James F.; Lavidas, Jack  
Corporate Source: GenRad Inc, Concord, MA, USA  
Conference Title: Proceedings - ATE West.  
Conference Location: Anaheim, CA, USA Conference Date: 19840109  
Sponsor: Electronics Test  
E.I. Conference No.: 07496  
Source: Publ by Morgan-Grampian Publ Co, New York, NY, USA p VI. 18-VI.

28

Publication Year: 1984  
Language: English  
Document Type: PA; (Conference Paper)  
Journal Announcement: 8605

Abstract: This paper provides an analysis of the variables that affect the cost of **test** and repair in **electronics** manufacturing. Numeric data were generated using 'Test Process Modeling,' a technique that employs mathematical models to explain the relationship of manufacturing and test variables to **product** quality, test cost, and **return** -on-investment in electronics manufacturing. Since the number of variables involved in a test process model is quite large, and the interrelationship between them is complex, the most appropriate and interactive method for implementing such a model is computer simulation. The results of this discussion are based upon two computer-aided test process models developed to analyze the relative impact of user-dependent manufacturing variables and vendor-dependent equipment variables on **product** quality, test cost, and **return** -on-investment. A sensitivity analysis was conducted. Sensitivity analysis is a technique for monitoring the total test cost of a project as manufacturing costs or test equipment costs change. (Edited author abstract) 3 refs.

Descriptors: \*ELECTRONIC EQUIPMENT MANUFACTURE--\*Costs; AUTOMATIC TESTING  
--Computer Applications

Identifiers: COMPUTER-AIDED TESTS; USER-DEPENDENT MANUFACTURING;  
VENDOR-DEPENDENT EQUIPMENT; RETURN-ON-INVESTMENT; DECISION AIDS; TEST  
PROCESS MODELING

### Classification Codes:

715 (General Electronic Equipment); 716 (Radar, Radio & TV Electronic Equipment); 911 (Industrial Economics); 714 (Electronic Components); 723 (Computer Software)  
71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING)

**8/5/13 (Item 1 from file: 14)**

DIALOG(R)File 14:Mechanical and Transport Engineer Abstract  
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0000465245 IP ACCESSION NO: 200507-80-29697

### **Product Reuse and Reliability**

Ciocci, Richard  
University of Maryland at College Park  
PUBLICATION DATE: 1996

PUBLISHER: American Society for Engineering Education, 1818 N Street NW,  
Suite 600, Washington, DC, 20036  
COUNTRY OF PUBLICATION: USA  
PUBLISHER URL: [www.asee.org](http://www.asee.org)  
PUBLISHER EMAIL: [conferences@asee.org](mailto:conferences@asee.org)

CONFERENCE:  
1996 ASEE Annual Conference & Exposition, Washington, DC, USA, 23-26 June

Sylvia Keys

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1996

DOCUMENT TYPE: Conference Paper  
RECORD TYPE: Abstract  
LANGUAGE: English  
REPORT NO: Session 3251  
FILE SEGMENT: Mechanical & Transportation Engineering Abstracts

ABSTRACT:

Efforts of those who champion the cause of environmentally-considerate manufacturing are enhanced by overcoming the resistance of others to the adoption of those methods. Past experience with the implementation of continuous-improvement principles and procedures suggests that new manufacturing and design considerations do take some time to be integrated fully. There has been a great deal of research and development done by many organizations on product and process improvements in order to reduce environmental impact. Besides the documentation of the technical improvements, much of the literature describing the methods deals with the anticipated concerns of implementation. The performance of reused, high-reliability products, such as electronics has not often been considered in the adoption of new methods. With further development of recovery and reuse strategies, the concerns regarding implementation will subside, and more time and effort can be directed toward advancing the technical methods of environmentally -considerate manufacturing. With the advent of take-back legislation and increase in the original equipment manufacturer's (OEM) accountability for products, recovery of products and materials that can be recycled and reused becomes increasingly critical to the manufacturer. OEMs are charged with the disposition of the **returned products**, where those **items** that can be reused, repaired, or reworked make for a more environmentally - positive and cost-effective disposition. Steps that enable the development of a high-reliability-product reuse policy include identifying applications where a reused product with decreased reliability would be sufficient based on performance requirements, developing retesting procedures that measure reliability of reused products, developing field-repair procedures similar to in-shop rework processes, and managing product service life with a maintenance schedule. In addition to developing the procedures, the true life-cycle costs of all steps must be calculated for cost-benefit analysis.

DESCRIPTORS: Reuse; Recovering; Marketing; Documentation; Identifying;  
Research and development; Charging; Service life; Environmental impact;  
Policies; Mathematical **analysis** ; Organizations; Legislation;  
**Electronics** ; Costs; Schedules; Maintenance; Design engineering; Cost  
analysis; Engineering Education  
SUBJ CATG: 80, Management and Marketing

8/5/14 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
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1645680 NTIS Accession Number: PB92-170349

**PP PRUNE Users Guide**

(Forest Service general technical rept)

Bolon, N. A. ; Fight, R. D. ; Cahill, J. M.

Forest Service, Portland, OR. Pacific Northwest Research Station.

Corp. Source Codes: 007881006

Report No.: FSGTR-PNW-289

Jan 92 26p

Languages: English

Journal Announcement: GRAI9213

Sylvia Keys

31-Jul-06 02:37 PM

See also PB88-166574.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

The PP PRUNE program allows users to conduct a financial analysis of pruning ponderosa pine (*Pinus ponderosa* Dougl. ex Laws.). The increase in **product** value and rate of **return** from pruning the butt 16.5-foot log can be estimated. Lumber recovery information is based on actual mill experience with pruned and unpruned logs. Users supply lumber prices by grade, the cost of pruning, and tree descriptions from growth and yield information. The program estimates the difference in value for trees and stands with and without pruning and the difference in present net worth from adding pruning to a given regime. The Lotus 1-2-3 spreadsheet program was used to develop PP PRUNE. Users need a basic knowledge of spreadsheets to use this program.

Descriptors: \*Pine trees; \*Economic **analysis** ; \* **Computerized** simulation; Interest rate of **return** ; Forestry; Wood **products** ; Present worth; Lumber; Tables(Data)

Identifiers: \*Ponderosa pine; \*Pruning; PP Prune computer program; NTISAGFSNW

Section Headings: 48D (Natural Resources and Earth Sciences--Forestry); 71R (Materials Sciences--Wood and Paper Products); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics)

8/5/15 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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1636220 NTIS Accession Number: N92-16599/2

**Automated Information Retrieval Using CLIPS**

Raines, R. D. ; Beug, J. L.

California Polytechnic State Univ., San Luis Obispo.

Corp. Source Codes: 045497000; CB609194

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Sep 91 12p

Languages: English

Journal Announcement: GRAI9210; STAR3007

In NASA. Johnson Space Center, Second Clips Conference Proceedings, Volume 2 p 332-343. Sponsored in Part by TRW Foundation.

NTIS Prices: (Order as N92-16590/1, PC A13/MF A03)

Country of Publication: United States

Expert systems have considerable potential to assist computer users in managing the large volume of information available to them. One possible use of an expert system is to model the information retrieval interests of a human user and then make recommendations to the user as to articles of interest. At Cal Poly, a prototype expert system written in the C Language Integrated Production System (CLIPS) serves as an **Automated** Information Retrieval System (AIRS). AIRS **monitors** a user's reading preferences, develops a profile of the user, and then evaluates **items returned** from the information base. When prompted by the user, AIRS returns a list of items of interest to the user. In order to minimize the impact on system resources, AIRS is designed to run in the background during periods of light system use.

Descriptors: \*Automatic control; \*Expert systems; \*Information retrieval; \*Information systems; Artificial intelligence; C (Programming language)

Identifiers: NTISNASA

Section Headings: 62B (Computers, Control, and Information

Theory--Computer Software); 62GE (Computers, Control, and Information Theory--General)

8/5/16 (Item 3 from file: 6)

DIALOG(R)File 6:NTIS

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1360592 NTIS Accession Number: PB88-166574

**PRUNE - SIM Users Guide**

(Forest Service general technical rept)

Fight, R. D. ; Cahill, J. M. ; Snellgrove, T. A. ; Fahey, T. D.  
Forest Service, Portland, OR. Pacific Northwest Research Station.  
Corp. Source Codes: 007881006

Report No.: FSGTR-PNW-209

Dec 87 28p

Languages: English

Journal Announcement: GRAI8811

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

PRUNE-SIM is a spreadsheet template (program) that allows users to simulate a financial analysis of pruning coast Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco var. *menziesii*). The program estimates the increase in product value resulting from pruning the butt 17-foot log. Product recovery information is based on actual mill experience with pruned and unpruned logs both sawn and peeled products. Users must supply tree descriptions from sources of growth and yield information and product prices. The program calculates the difference in value for trees and stands with and without pruning. The present value of the difference represents the maximum amount that could be spent on pruning without reducing the rate of return on the investment below the specified rate. The LOTUS 1-2-3 spreadsheet program was used to develop PRUNE-SIM. The user needs a basic knowledge of spreadsheets to use the program.

Descriptors: \*Douglas fir wood; \*Economic **analysis** ; \*Forest trees; \*Trimming; **Computerized** simulation; Value engineering; **Return** on investment; Wood **products**

Identifiers: \*PRUNE-SIM computer program; \*User manuals (Computer programs); *Pseudotsuga menziesii*; NTISAGFSNW

Section Headings: 48D (Natural Resources and Earth Sciences--Forestry); 96A (Business and Economics--Domestic Commerce, Marketing, and Economics); 62GE (Computers, Control, and Information Theory--General)

8/5/17 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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09764782 Genuine Article#: 447DT Number of References: 31

**Title: Improving visual inspection using binocular rivalry**

Author(s): Drury CG (REPRINT) ; Maheswar G; Das A; Helander MG

Corporate Source: SUNY Buffalo, Dept Ind Engn, 342 Bell

Hall/Buffalo/NY/14260 (REPRINT); SUNY Buffalo, Dept Ind

Engn, Buffalo/NY/14260; ATT, Centerville//VA/20120; Technol Univ, Sch

Mech & Prod Engn, Singapore 639798//Singapore/

Journal: INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, 2001, V39, N10 (JUL), P2143-2153

ISSN: 0020-7543 Publication date: 20010700

Publisher: TAYLOR & FRANCIS LTD, 11 NEW FETTER LANE, LONDON EC4P 4EE,  
ENGLAND

Language: English Document Type: ARTICLE

Geographic Location: USA; Singapore

Journal Subject Category: ENGINEERING, INDUSTRIAL; ENGINEERING,  
MANUFACTURING; OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Abstract: To design inspection systems for modern manufacturing conditions, an appropriate mix of human and computer abilities is required. Human inspectors are not very effective at the Search function of inspection, meaning that search tasks are more suited to **automated** vision systems. We **assessed** a novel visual technique-binocular rivalry arising from stereo viewing conditions-to enhance human search performance. A sequence of three inspection experiments was used to determine whether binocular rivalry is practical and effective. An initial study using circuit board images showed a small but significant effect of binocular fusion. A second study using simulated material with excellent registration between the left and right images showed binocular rivalry to increase performance considerably. Binocular rivalry also removed any negative effect of inspecting for multiple defects simultaneously. The third study **returned** to realistic inspected **items**, but ensured good registration by placing images on a computer screen. This study again showed the superiority of binocular rivalry. There was no unusual visual strain from stereo viewing. Together, these studies allow us to delineate the conditions under which the benefits of binocular rivalry can be exploited in quality control practice.

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8/5/18 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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06847379 Genuine Article#: ZW437 Number of References: 9

**Title: Electronic products recovery - PAWS, a BRITE-EURAM project**

Author(s): Goggin K (REPRINT) ; Browne J

Corporate Source: NATL UNIV IRELAND UNIV COLL GALWAY,CIM RES  
UNIT/GALWAY//IRELAND/ (REPRINT)

Journal: COMPUTERS IN INDUSTRY, 1998, V36, N1-2 (APR 30), P65-74

ISSN: 0166-3615 Publication date: 19980430

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE

Geographic Location: IRELAND

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology

Journal Subject Category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Abstract: Legislative, customer and consumer pressures are increasingly being brought to bear on the manufacturers of electronic products to take back their product at end-of-life. There are economic, legal, organisational, business, and technological issues associated with product take-back. These issues can not be addressed by applying the techniques of manufacturing and distribution. The technological issues of resource recovery may broadly be seen as relating to: material design and selection and product design; process technologies and process design; product and production; supply chain management, design and logistics and information systems. Resource recovery issues affect the entire product life cycle, from design to final disposition, and extensive work is required that will provide understanding of the business, organisation, management and control of take-back, the information system requirements of resource recovery and the technology requirements to facilitate the **return** and **processing** of **electronic products** at end-of-life. The Product Acquisition from Waste Streams (PAWS) project is a BRITE-EURAM project that aims to provide industry with an understanding of resource recovery in terms of business models and objectives and to provide industry with prototype tools-information systems-that support resource recovery. (C) 1998 Published by Elsevier Science B.V. All rights reserved.

Descriptors--Author Keywords: electronic product recovery ; product take-back ; technological issues of resource recovery

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8/5/19 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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01053436 Genuine Article#: FR824 Number of References: 44

**Title: DISINFECTION PRACTICES FOR ENDOSCOPES AND OTHER SEMICRITICAL ITEMS**

Author(s): RUTALA WA; CLONTZ EP; WEBER DJ; HOFFMANN KK

Corporate Source: UNIV N CAROLINA,SCH MED,DEPT MED,DIV INFECT DIS,CB  
7030,547 BURNETT WOMACK BLDG/CHAPEL HILL//NC/27599; UNIV N CAROLINA  
HOSP,DEPT HOSP EPIDEMIOLOGY/CHAPELHILL//NC/00000

Journal: INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY, 1991, V12, N5, P

282-288

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; CC CLIN--Current Contents, Clinical Medicine

Journal Subject Category: PUBLIC HEALTH

Abstract: OBJECTIVE: To determine the disinfection practices employed by North Carolina hospitals for endoscopes and other semicritical patient care items and to discuss minimally acceptable disinfection procedures for these items.

DESIGN: A survey questionnaire was mailed to all North Carolina hospitals to identify their disinfection practices, and a literature review was conducted to ascertain studies that evaluated disinfection techniques for certain semicritical **items**.

PARTICIPANTS: Questionnaires were **returned** by 107 of 167 (64%) North Carolina acute-care hospitals.

RESULTS: Most hospitals (91%) used a glutaraldehyde-based disinfectant (59%), 2% glutaraldehyde; 29%, 0.13% glutaraldehyde-0.44% phenol-0.08% phenate; 3%, either); half (51%) of the hospitals immersed the endoscope into disinfectant for greater-than-or-equal-to 20 minutes, but 44% immersed for less-than-or-equal-to 10 minutes; nearly all hospitals (97%) disinfected endoscopes at room temperature. Hospitals rinsed the endoscope with sterile water (16%), tap water (54%), tap water followed by alcohol rinse (27%), or other (2%); 58% of the hospitals treated endoscopes from patients infected with human immunodeficiency virus (HIV), hepatitis B virus (HBV), or Mycobacterium tuberculosis differently (81%, ethylene oxide [ETO] sterilization; 10%, increased exposure time; 10%, other). Twenty percent of the hospitals used an **automated** washer for **processing** endoscopic instruments. Rigid endoscopes (e.g., arthroscopes, laparoscopes) were primarily high-level disinfected (57%), ETO sterilized (17%), or either (13%). The disinfection strategies for other semicritical items (e.g., applanation tonometers, cryosurgical instruments, and diaphragm fitting rings) were highly variable for the responding hospitals.

CONCLUSIONS: This survey indicated the presence of a wide variety of practices for handling semicritical patient care items, many of which are inconsistent with current recommendations. To help establish minimally acceptable disinfection procedures for some patient care instruments (e.g., arthroscopes, laparoscopes, tonometers), the scientific literature was reviewed and recommendations were made.

Identifiers--KeyWords Plus: HUMAN IMMUNODEFICIENCY VIRUS; APPLANATION TONOMETER; GLUTARALDEHYDE; STERILIZATION; ELIMINATION; GUIDELINE; HEPATITIS; EMERGENCY; TYPE-1

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DIALOG(R)File 7:Social SciSearch(R)  
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03637014 Genuine Article#: 447DT Number of References: 31  
**Title: Improving visual inspection using binocular rivalry**  
 Author(s): Drury CG (REPRINT); Maheswar G; Das A; Helander MG  
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 ISSN: 0020-7543  
 Language: English Document Type: Article  
 Subfile: SciSearch  
 Abstract: To design inspection systems for modern manufacturing conditions,  
 an appropriate mix of human and computer abilities is required. Human  
 inspectors are not very effective at the Search function of inspection,  
 meaning that search tasks are more suited to **automated** vision  
 systems. We **assessed** a novel visual technique-binocular rivalry  
 arising from stereo viewing conditions-to enhance human search  
 performance. A sequence of three inspection experiments was used to  
 determine whether binocular rivalry is practical and effective. An  
 initial study using circuit board images showed a small but significant  
 effect of binocular fusion. A second study using simulated material  
 with excellent registration between the left and right images showed  
 binocular rivalry to increase performance considerably. Binocular  
 rivalry also removed any negative effect of inspecting for multiple

defects simultaneously. The third study **returned** to realistic inspected **items** , but ensured good registration by placing images on a computer screen. This study again showed the superiority of binocular rivalry. There was no unusual visual strain from stereo viewing. Together, these studies allow us to delineate the conditions under which the benefits of binocular rivalry can be exploited in quality control practice.

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DIALOG(R)File 8: Ei Compendex(R)  
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07417490 E.I. No: EIP05219120591

**Title: How to prepare tomorrow's technologists for global networks of innovation**

Author: Nambisan, Satish

Source: Communications of the ACM v 48 n 5 May 2005. p 29-31

Publication Year: 2005

CODEN: CACMA2 ISSN: 0001-0782

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 0506W2

**Abstract:** The challenges faced in preparing future technologists for global networks of innovation are discussed. University curricula must prepare them to be able to recognize and embrace technologies, components, markets and customers wherever in the world they happen to be. The emerging global innovation environment requires the next generation of engineers and technologists be able to go beyond narrow sets of technical skills to gain a much broader perspective for developing innovative technologies and solutions. A critical success factor will be the ability to develop and maintain a broad perspective of the innovation system while working in one's own area of expertise. (Edited abstract) 4 Refs.

**Descriptors:** \*Personnel; Professional aspects; Curricula; Project management; Biotechnology; Computer software; Consumer electronics; Students; Information technology

**Identifiers:** Technologists; Innovation; **Inventec** (CO); Technological standards

**Classification Codes:**

912.4 (Personnel); 901.1 (Engineering Professional Aspects); 901.2 (Education); 912.2 (Management); 461.8 (Biotechnology); 723.5 (Computer Applications)

912 (Industrial Engineering & Management); 901 (Engineering Profession); 461 (Bioengineering); 723 (Computer Software, Data Handling & Applications); 715 (Electronic Equipment, General Purpose & Industrial); 913 (Production Planning & Control; Manufacturing); 903 (Information Science)

91 (ENGINEERING MANAGEMENT); 90 (ENGINEERING, GENERAL); 46 (BIOENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATION ENGINEERING)

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DIALOG(R)File 8:Ei Compendex(R)  
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04471924 E.I. No: EIP96083285083

**Title: High frequency modeling for 10Gbps DFB laser diode module packaging**

Author: Park, Seong-Su; **Song, Min Kyu** ; Kang, Seung Goo; Hwang, Nam; Lee, Hee Tae; Choo, Heung Ro; Pyun, Kwang Eui

Corporate Source: Electronics and Telecommunications Research Inst, Taejon, S Korea

Conference Title: Proceedings of the 1996 IEEE 46th Electronic Components & Technology Conference, ECTC

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Journal Announcement: 9610W3

Abstract: In packaging the laser diode several electrical requirements must be satisfied. The conventional packaging method which consists of transmission line, matching resistor and wire bonding interconnect showed good result for the modulation bandwidth requirement of greater than 10Ghz. However the return loss requirement was not content with less than minus 10dB. To analyze the effects of package parasitics on return loss, we proposed a small signal circuit model of a laser diode module. From the small signal measurement data, we obtained the small signal circuit model of the laser diode for each bias current, which contains package parasitics and intrinsic laser diode characteristics. Considering both the intrinsic laser diode characteristics and total parasitic effects of the packaged module, the overall frequency response of the laser diode module was simulated and compared to the experimental results. The simulation results on the small signal modulation bandwidth and **return** loss showed a **good** agreement with measurements. However, the **return** loss does not meet the requirement for 10Gbps laser diode module. Therefore, the wire bonding effect on the return loss was analyzed. The characteristics of wire bonding inductance which affect the return loss were simulated using an interconnect analysis program. As a result, shorter wire bonding length would be the best step to reduce the package induced inductance. (Author abstract) 4 Refs.

Descriptors: \*Electronics packaging; Computer simulation; Semiconductor lasers; Distributed feedback lasers; Electric lines; Electric wiring; Resistors; Mathematical models; Frequency response; Bandwidth

Identifiers: Matching resistor; Wire bonding interconnect; Return loss; Small signal circuit model; Modulation bandwidth; Wire bonding inductance

Classification Codes:

744.4.1 (Semiconductor Lasers)

714.2 (Semiconductor Devices & Integrated Circuits); 723.5 (Computer Applications); 744.4 (Solid State Lasers); 744.1 (Lasers, General); 704.1 (Electric Components); 921.6 (Numerical Methods)

714 (Electronic Components); 723 (Computer Software); 744 (Lasers); 704 (Electric Components & Equipment); 921 (Applied Mathematics)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 70 (ELECTRICAL ENGINEERING); 92 (ENGINEERING